

## 1 Package Contents / 包装内容/ 包裝內容

Kindly ensure the product's contents upon unpacking; please refer to this quick start guide regarding the product 's specifications and important notices.

打开包装确认产品包装内容, 并請詳細閱讀此手冊, 認識產品規格特性與注意事項。  
打開包裝確認產品包裝內容, 並請詳細閱讀此手冊, 認識產品規格特性與注意事項。



Reader x 1  
Base x 1  
读卡机/底座  
讀卡機/底座

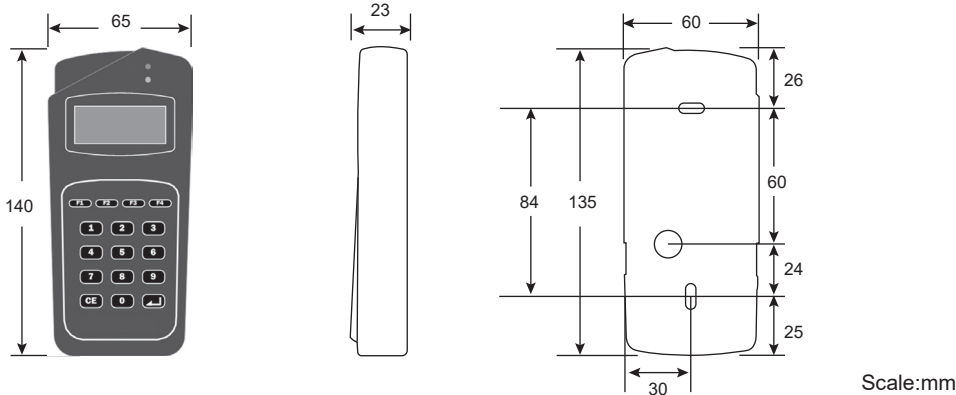


Quick Start Guide x 1  
快速安裝手冊  
快速安裝手冊



Hex Key wrench x 1  
Screw x 3 Cable x 1  
六角扳手/螺絲/傳輸線  
六角扳手/螺絲/傳輸線

## 2 Physical Dimension / 外观尺寸/ 外觀尺寸



## 3 Installation / 安裝/ 安裝

- Kindly refer to the “[\[4\]](#)wiring connections” for the NODE ID settings before the hardware installation.  
Do not over tighten the back base screws during installation to prevent distortion.
- (A). Mount the base onto the wall or other desired location.
- (B). Connect the wires in accordance with the wiring instruction below.
- (C). Install the reader upper cover to the back base. Make sure the back base and the reader upper cover guides are aligned.
- (D). Using the hex key wrench, fasten the screw onto the bottom of the reader.

- 安裝前請先參考 “[\[4\]](#)接線” 設定讀卡機NODE ID號。  
安裝讀卡機底座時, 請勿用力過大以避免造成彎曲變形。
- (A). 將讀卡機底座固定在牆上或其他位置。
- (B). 依照接線說明將線接上, 並將各接線端子插上。
- (C). 將讀卡機往底座方向蓋合。
- (D). 使用六角扳手, 將螺絲由下方將底部密合鎖上。

- 安裝前請先參考 “[\[4\]](#)接線” 設定讀卡機NODE ID號。  
安裝讀卡機底座時, 請勿用力過大以避免造成彎曲變形。
- (A). 將讀卡機底座固定在牆上或其他位置。
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- (C). 將讀卡機往底座方向蓋合。
- (D). 使用六角扳手, 將螺絲由下方將底部密合鎖上。

## 4 Wiring Connections / 接线/ 接線

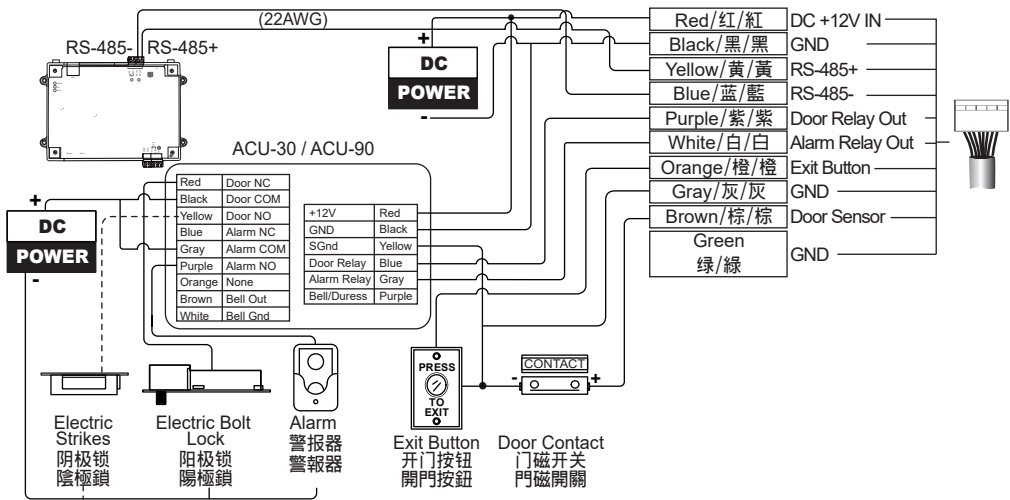
B

A

C

| A  | Case Sensor / 防拆除Sensor/ 防拆除Sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |              |    |        |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
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|    | Combination with GCU/RAC-2400 and NCU would produce a different NODE ID Settings. Kindly refer to the chart below.<br>读卡机NODE ID 搭配GCU/RAC-2400或NCU会有不同编码设定, 请依照下表做配置<br>讀卡機NODE ID 搭配GCU/RAC-2400或NCU會有不同編碼設定, 請依照下表做配置                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |              |    |        |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| B  | <p>ON=1, OFF=0</p> <table><tr><td>ON</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ON | 1            | 2  | 3      | 4  | 5   | 6 |        | 1  | 2      | 3  | 4      | 5 | 6      |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| ON | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2  | 3            | 4  | 5      | 6  |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
|    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2  | 3            | 4  | 5      | 6  |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
|    | <table><tr><th>ID</th><th>GCU/RAC-2400</th><th>ID</th><th>NCU</th><th>ID</th><th>NCU</th></tr><tr><td>0</td><td>000000</td><td>34</td><td>010001</td><td>49</td><td>100011</td></tr><tr><td>1</td><td>100000</td><td>35</td><td>110001</td><td>50</td><td>010011</td></tr><tr><td>2</td><td>010000</td><td>36</td><td>001001</td><td>51</td><td>110011</td></tr><tr><td>3</td><td>110000</td><td>37</td><td>101001</td><td>52</td><td>001011</td></tr><tr><td>4</td><td>001000</td><td>38</td><td>011001</td><td>53</td><td>101011</td></tr><tr><td>5</td><td>101000</td><td>39</td><td>111001</td><td>54</td><td>011011</td></tr><tr><td>6</td><td>011000</td><td>40</td><td>000101</td><td>55</td><td>111011</td></tr><tr><td>7</td><td>111000</td><td>41</td><td>100101</td><td>56</td><td>000111</td></tr><tr><td>8</td><td>000100</td><td>42</td><td>010101</td><td>57</td><td>100111</td></tr><tr><td>9</td><td>100100</td><td>43</td><td>110101</td><td>58</td><td>010111</td></tr><tr><td>10</td><td>010100</td><td>44</td><td>001101</td><td>59</td><td>110111</td></tr><tr><td>11</td><td>110100</td><td>45</td><td>101101</td><td>60</td><td>001111</td></tr><tr><td>12</td><td>001100</td><td>46</td><td>011101</td><td>61</td><td>101111</td></tr><tr><td>13</td><td>101100</td><td>47</td><td>111101</td><td>62</td><td>011111</td></tr><tr><td>14</td><td>011100</td><td>48</td><td>000011</td><td>63</td><td>111111</td></tr><tr><td>15</td><td>111100</td><td></td><td></td><td></td><td></td></tr></table> | ID | GCU/RAC-2400 | ID | NCU    | ID | NCU | 0 | 000000 | 34 | 010001 | 49 | 100011 | 1 | 100000 | 35 | 110001 | 50 | 010011 | 2 | 010000 | 36 | 001001 | 51 | 110011 | 3 | 110000 | 37 | 101001 | 52 | 001011 | 4 | 001000 | 38 | 011001 | 53 | 101011 | 5 | 101000 | 39 | 111001 | 54 | 011011 | 6 | 011000 | 40 | 000101 | 55 | 111011 | 7 | 111000 | 41 | 100101 | 56 | 000111 | 8 | 000100 | 42 | 010101 | 57 | 100111 | 9 | 100100 | 43 | 110101 | 58 | 010111 | 10 | 010100 | 44 | 001101 | 59 | 110111 | 11 | 110100 | 45 | 101101 | 60 | 001111 | 12 | 001100 | 46 | 011101 | 61 | 101111 | 13 | 101100 | 47 | 111101 | 62 | 011111 | 14 | 011100 | 48 | 000011 | 63 | 111111 | 15 | 111100 |  |  |  |  |
| ID | GCU/RAC-2400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ID | NCU          | ID | NCU    |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 0  | 000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 34 | 010001       | 49 | 100011 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 1  | 100000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 35 | 110001       | 50 | 010011 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 2  | 010000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 36 | 001001       | 51 | 110011 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 3  | 110000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 37 | 101001       | 52 | 001011 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 4  | 001000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 38 | 011001       | 53 | 101011 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 5  | 101000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 39 | 111001       | 54 | 011011 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 6  | 011000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 40 | 000101       | 55 | 111011 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 7  | 111000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 41 | 100101       | 56 | 000111 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 8  | 000100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 42 | 010101       | 57 | 100111 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 9  | 100100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 43 | 110101       | 58 | 010111 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 10 | 010100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 44 | 001101       | 59 | 110111 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 11 | 110100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 45 | 101101       | 60 | 001111 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 12 | 001100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 46 | 011101       | 61 | 101111 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 13 | 101100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 47 | 111101       | 62 | 011111 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 14 | 011100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 48 | 000011       | 63 | 111111 |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |
| 15 | 111100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |              |    |        |    |     |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |   |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |    |        |  |  |  |  |

Pin Assignments / 输入输出端子/ 輸入輸出端子



- When combined with NCU, kindly use ACU-90 for digital output. Other multi door control panels are using ACU-30.
- When Electric Bolt Lock is used, kindly connect the wire to COM and NC contacts.
- When Electric Strikes is used, kindly connect the wire to COM and NO contacts.
- Note: 1. The maximum voltage and contact rating of the relay is DC 12V/2A or DC 24V/1A. If you connect a terminal with alternating current, make sure to transfer a relay with higher power output.
- 2. To enhance security, kindly install the reader and the ACU-30/90 separately in different locations.
- 若做为NCU之读卡机时, 请搭配ACU-90使用, 其它主机则使用ACU-30。
- 使用断电开门电锁, 如阳极电锁, 请接COM点及NC点。使用通电开门电锁, 如阴极电锁, 请接COM点及NO点。注意: 1. RELAY最大承载电力请勿超过 DC 12V/2A或DC 24V/1A, 如控制点设备为交流电源, 请另行转换大功率电驿(继电器)。
- 2. 为提高门禁的安全性, 安装读卡机时须与ACU-30/90分开安装在不同的位置。
- 若做为NCU之讀卡機時, 請搭配ACU-90使用, 其它主機則使用ACU-30。
- 使用斷電開門電鎖, 如陽極電鎖, 請接COM點及NC點。使用通電開門電鎖, 如陰極電鎖, 請接COM點及NO點。注意: 1. RELAY最大承載電力請勿超過 DC 12V/2A或DC 24V/1A, 如控制點設備為交流電源, 請另行轉換大功率電驛(繼電器)。
- 2. 為提高門禁的安全性, 安裝讀卡機時須與ACU-30/90分開安裝在不同的位置。

Note:

- Kindly use minimum 22AWG double-shielded aluminum mylar foil twisted pair cable for the connection between the reader and the controller.
- In order to reduce long distance noise, The isolated net of transmission cable should connect to both ends of device ground.
- The distance between two readers should be over 30cm to prevent radio frequency interference from each other.
- Mounting the device around metal could affect read range. Metal of any type around the device should be avoided while mounting.

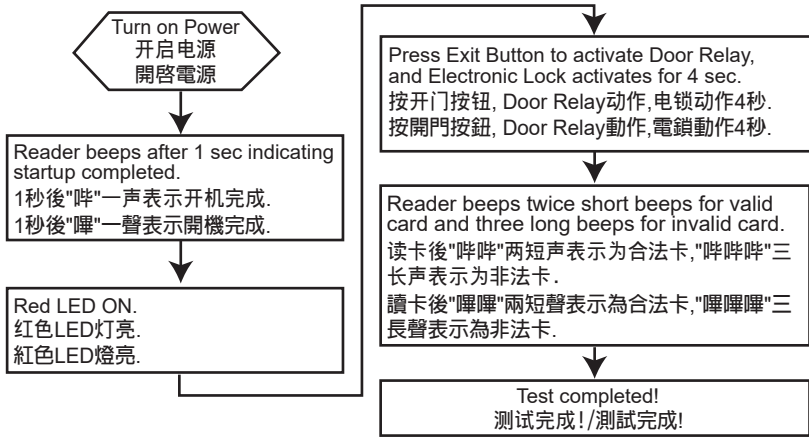
备注:

- 读卡机与控制器之间请使用22AWG以上的双隔离网铝箔麦拉对绞传输线。
- 为了减低远距离杂讯, 传输线的隔离网地应接两端装置的地。
- 建议两个读卡机之间的距离最少30公分以上。
- 避免安装在金属物周边, 以免影响感应距离。

備註:

- 讀卡機與控制器之間請使用22AWG以上的雙隔離網鋁箔麥拉對絞傳輸線。
- 為了減低遠距離雜訊, 傳輸線的隔離網地應接兩端裝置的地。
- 建議兩個讀卡機之間的距離最少30公分以上。
- 避免安裝在金屬物週邊, 以免影響感應距離。

## 5 Testing / 测试/ 測試



### One Year Limited Warranty / 产品保固证明书 / 產品保固證明書

We warrants this product against defect in material or workmanship for 1 year from the date of purchase. If such a defect is discovered within this warranty limitation, contact your direct vendor for repair or replacement of your unit.  
When returning the product, you must ship the product in its original packaging or packaging that gives an equal degree of protection. This warranty becomes invalid if the factory-supplied serial number has been removed or altered on the product.  
This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence or modification of any part of the product. This warranty does not cover damage due to improper operation or maintenance, connection to improper equipment, or attempted repair by anyone other than We. In no event shall We liability exceed the price paid for the product from direct, indirect, special, incidental, or consequential, damages resulting from the use of the product the product, its accompanying software, or it's documentation. We makes no warranty or representation expressed, implied, or statutory, with respect to its products, contents of use of this documentation and all accompanying software, and specially disclaims its quality, performance, merchantability or fitness for any particular purpose. We reserves the right to revise or update its product, software or documentation without obligation to notify any individual or entity.

我們保固此產品於購買日起一年之內因為材料上或是生產製造中所產生的缺陷, 所造成的外觀上, 或是功能上的缺陷及故障問題。若您是在此保固期限之內發現此類問題, 請聯絡本公司的服務人員, 退回此產品, 我們將替您免費維修或是更換產品。  
當您退回此產品時, 請依照原始的包裝方式包裝此產品, 或是給予同等級的包裝保護; 若是我們收到此產品時, 產品上沒有出廠時的序號標籤, 或是產品已經拆開或與出廠時有任何不同, 這個保固將變得無效。  
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我們保固此產品於購買日起一年之內因為材料上或是生產製造中所產生的缺陷, 所造成的外觀上, 或是功能上的缺陷及故障問題。若您是在此保固期限之內發現此類問題, 請聯絡本公司的服務人員, 退回此產品, 我們將替您免費維修或是更換產品。  
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| Model / 型号 / 型號 | Serial no. / 序号 / 序號 | Date of Purchase / 购买日期 / 購買日期 | Reseller stamp / 经销商 / 經銷商 |
|-----------------|----------------------|--------------------------------|----------------------------|
|                 |                      |                                |                            |

Warranty will be valid only after filling out this form and stamped or signed by reseller!  
此保固书必须填写妥各项内容, 并且盖有经销商印鉴始为有效。  
此保固書必須填寫妥各項內容, 並且蓋有經銷商印鑑始為有效。