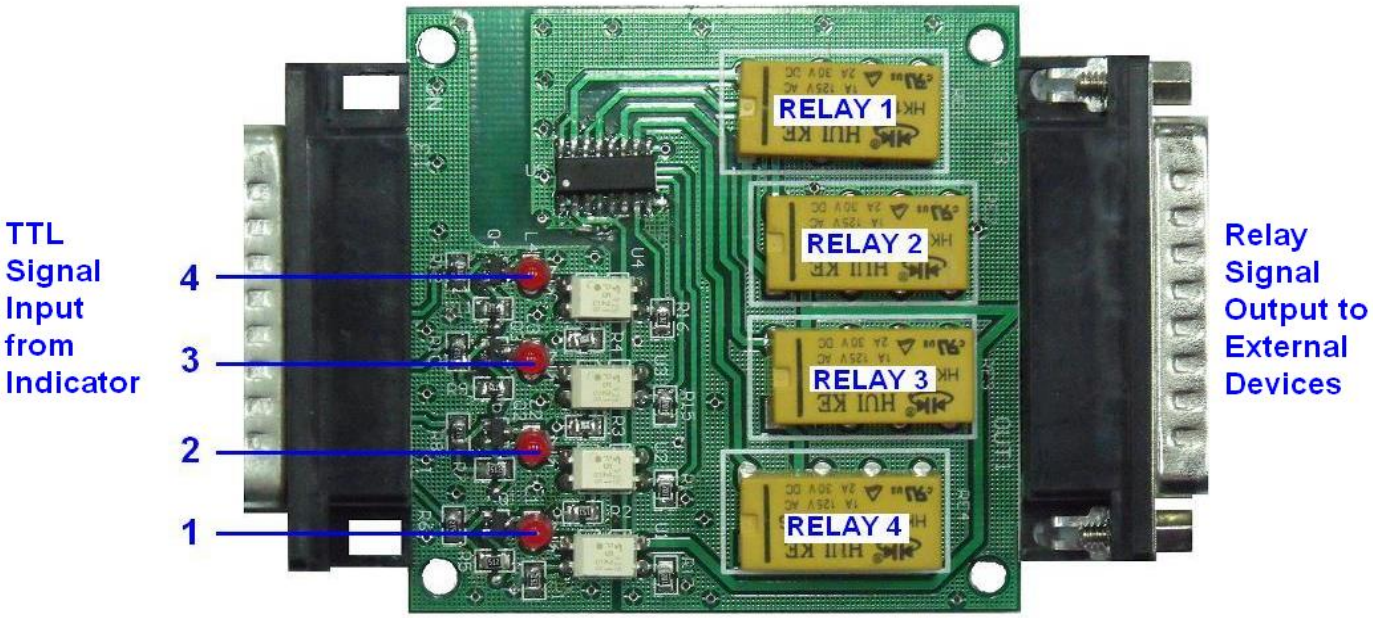
4-CHANNELS RELAY MODULE WIRING MANUAL

BOARD VIEW



TTL SIGNAL INDICATORS

Indicator	Description
1	When this indicator is lit up: - Incoming TTL signal to trigger RELAY 1 is detected.
2	When this indicator is lit up: - Incoming TTL signal to trigger RELAY 2 is detected.
3	When this indicator is lit up: - Incoming TTL signal to trigger RELAY 3 is detected.
4	When this indicator is lit up: - Incoming TTL signal to trigger RELAY 4 is detected.

TTL SIGNAL INPUT PIN ASSIGNMENT

Pin #	Assignment	Remarks
1	RELAY 4	Input only lo-active (<0.7V) TTL signals.
3	RELAY 3	
5	RELAY 2	
7	RELAY 1	
8~13	INPUT +5V	• This 5V is used to power the TTL electronics on board. If this module is used with a FM18 indicator, this power is provided by the FM18. • Do not use this 5V for other proposes, this may damage the relay board, and/or the device connected with it.
14~25	GND-5V	

RELAY OUTPUT SIGNAL PIN ASSIGNMENT

<table>
<tr><th>Pin #</th><th>Assignment</th><th>Pin #</th><th>Assignment</th></tr>
<tr><td>1 & 14</td><td>RELAY 4: - Normal open</td><td>11</td><td>RELAY 1: - Normal open</td></tr>
<tr><td>2 & 15</td><td>RELAY 4: - Normal close</td><td>12</td><td>RELAY 1: - Normal close</td></tr>
<tr><td>3 & 16</td><td>RELAY 4: - Common</td><td>13</td><td>RELAY 1: - Common</td></tr>
<tr><td>4 & 17</td><td>RELAY 3: - Normal open</td><td colspan="2" rowspan="7">REMARKS:
● All COM (COM1~COM4) are independent.
● Max. Loading per Relay = DC30V 1A / AC125V 0.5A</td></tr>
<tr><td>5 & 18</td><td>RELAY 3: - Normal close</td></tr>
<tr><td>6 & 19</td><td>RELAY 3: - Common</td></tr>
<tr><td>8</td><td>RELAY 2: - Normal open</td></tr>
<tr><td>9</td><td>RELAY 2: - Normal close</td></tr>
<tr><td>10</td><td>RELAY 2: - Common</td></tr>
<tr><td>7 & 20</td><td>+12V Input</td><td colspan="2" rowspan="2">Recommended power source: -
● Switch power type, Current = 1A
● Power supply from PLC

This 12V is used to power relays on board to work and is not intended to power any other external devices. External devices should be powered separately.</td></tr>
<tr><td>21~25</td><td>GND</td></tr>
</table>

TTL SIGNAL FROM AFM18/FM18 AND RELAY NUMBER ASSIGNMENT TABLE

Relay Number	**AFM18/FM18 check weighing (F25) working mode and signal outputs from indicator**			
	Mode 1	**Mode 2**	**Mode 3**	**Mode 4**
RELAY 1	Buzzar	Nil	Manual Output (by **UNIT** Key)	rEF L
RELAY 2	LO	LO	SP1	SP1
RELAY 3	OK	NIL	SP2	SP2
RELAY 4	HI	HI	SP3	SP3