

## RELAY MODULE FOR CARDINAL 7XX WEIGHT INDICATOR

### APPLICATION

The given mating unit is intended for input/output of 8 checking and control signals between the weight indicator and the object under control. The mating unit mates the voltage level of output signal from manufacture with voltage level of input signal to the weighting indicator and electrically isolates these signals.

### SPECIFICATIONS

Supply voltage + 12 V	From the Cardinal 7XX
Input signals voltage	12 – 24 V DC
Electrical isolation of input signals	Is present *
Single input supply current	Not more than 10 mA
Output relay (Finder 30.22.)**	One relay pileup (one group)
Relay operating range	Min/Max: 8.4 /18 V DC
Current operating range	16 mA
Switching voltage	Rated/Max 125/250 V AC 30/110 V DC
Switching current	Rated/Max 1.25/2 A AC 2/0.3 A DC
Indication of +12 V Supply voltage	LED red
Indication of Input voltage	LED green
Indication of Output relay switch-on	LED red
Outer control of output relays' common output	Is present***
Button imitation of input signals	Is present
Button switching on of output relays	Is present

\* To make electrical isolation:

- 1) Take off the bridge between the contacts 1 and 2 of the jumper **J2**.
- 2) Connect the input signals ground to terminal **IGND**, and positive voltage to a corresponding input.

If the input circuits are supplied with power voltage from indicator (+12 V), then it is necessary to place the bridge between the contacts 1 and 2 of the jumper **J2**. In that case, the terminals **IGND** and **GND** can be used in the same way as the common output of the weight indicator.

\*\* See more detailed information at the site: <http://www.findernet.com/en/pdf/S30EN.pdf>

\*\*\* For that, take off the bridge between the contacts 1 and 2 of the jumper **J1**, while the common outer voltage should go to the terminal **RGND**. If the outer control of common voltage of output relays is not necessary, then the terminals **GND** and **RGND** should be connected together. If the outer voltage is present (**RGND**), then the green LED of **RGND** is turned on.

Supplement No1 - Front panel.

Supplement No2 - Principle circuit diagram

Supplement No3 - Assembly drawing

Supplement No4 - Sample connection of two Mating Units with Time Control Unit.

Supplement No5 - Detailed information about relays see <http://www.findernet.com/en/pdf/S30EN.pdf>