

System A2 - Model A14

Electronic weight indicator/transmitter for industrial use

Model A14 is designed for static weighing applications in tough environments acting as a local indicator or remote transmitter.

About the A2-A14 controller

Delivered with:

- 24vdc power supply (230vac optional).
- 4-20mA isolated output (Gross weight).
- RS-485 serial port (RS-232 connection for printer only).
- Modbus (RTU, ASCII).
- 2x16 character text display with Backlight.
- 4 Relay Outputs for level control.
- Permanently stored data in flash memory.
- Real-time clock.

Features

- Version for panel mount and for wall mounting.
- Indication of Gross- and Netweight.
- Stand alone or remote operation.
- Printout.
- Inputs for net zero and printout.
- Easy to use start-up and re-calibration procedures.
- Optional fieldbus connection; Profibus, CANopen, Devicenet etc.



Technical specifications

Design

Frontpanel: Stainless steel frame with integrated keypad.
 Protection: Splashproof NEMA 4 / IP65.

Rear cover: Aluminium-zink metal.
 Protection: IP55

Field Enclosures

Stainless steel SIS2333.
 Protection: NEMA 4 / IP65.
 Cable entry: 4 x dia.19 holes w. PG11 metal glands,
 1 x dia 22,5 hole.

Display & control

Display: LCD 2x16 character, 5,5mm w. backlight.
 Control: 4-key local keypad or via RS485 com port.
 Memory: Battery back-up + Non-volatile FLASH memory.
 Set-up: Interactive via local keypad software

Power supply

Standard: 24Vdc, 5W.
 Protection: Fuse (internal)
 Optional: External 90-250VAC / 24VDC (PW-24).

Connection

Terminal strip: 12 x 2,5 mm² max (AWG 16) for stranded wire (Terminals: 1-6, V+,V-).
 11 x 1,5 mm² max (AWG 18) for stranded wire. (Terminals: 21-52).

Input

Load Cell Digital (2) 4- or 6-wire system with sense inputs, 0,3-45mVdc
 Closing contact. Printout with zeroset of subtotal.
 Speed sensor type S-E-G or NPN prox.switch

Output

Load Cell, Exc. 12Vdc nominal
 Max. load: 140 mA (~85 Ω)
 Min. load: 1000 Ω

Relays (2 or 4) Dry contact N.O. 24Vdc / 1A.
 (Totaliser pulse and programmable functions)

Analog Isolated 4-20mA, max 350 , 12-bit resolution.
 (Flowrate)

Communication port

Port (1): RS485, Modbus RTU, ASCII

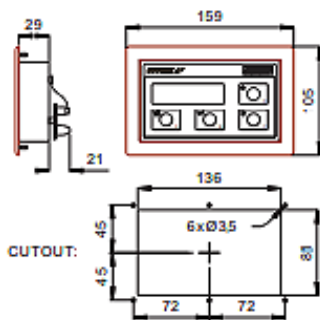
Environmental

Location: Indoor/outdoor
 Operation: -10 to +50 °C
 Storage: -20 to +70°C

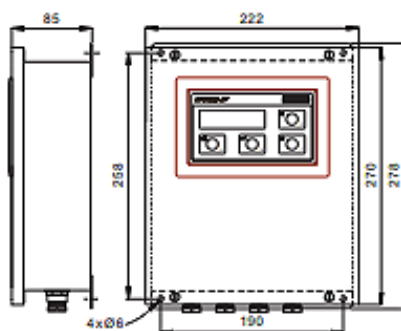
Approvals



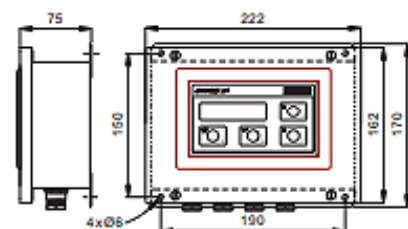
Marking of electrical and electronic equipment in accordance with Directive 2002/96/EC (WEEE)



Panel mount, type -P
weight: 0,5kg



Field enclosure type -W
weight: 3,0kg



Field enclosure type -V
weight: 2,5kg

Order info

A2-N-2-P -H15-XX*	<ul style="list-style-type: none">• System A2,• Normal Class• 2 relays• Panelmounting• Model A14 weight indicator
A2-N-2-W -H15-XX*	<ul style="list-style-type: none">• System A2,• Normal Class• 2 relays• With enclosure type -W for wallmounting• Model A14 weight indicator
A2-N-2-V -H15-XX*	<ul style="list-style-type: none">• System A2,• Normal Class• 2 relays• With enclosure type -V for wallmounting• Model A14 weight indicator
-XX*	<ul style="list-style-type: none">• Language selection: GB or SV
PW-24	Optional Power supply: <ul style="list-style-type: none">• 90-250VAC/24 VDC 25W• <i>Fits inside field enclosure type -V and -W.</i>
FB-ZZ	Optional fieldbus converters for: <ul style="list-style-type: none">• DIN-rail• PDP (Profibus)• CAN (Canopen)• Etc. <i>Fits inside field enclosure type -W only.</i>
TB-230	Optional terminal board with 250VAC/3A output relays. (Direct replacement for existing terminal board)