

System A2 - Model C14

1-component advanced batch scale controller

The weighing controller A2-C14 is the most advanced batch controller in the A2-C series. It is delivered with a number of special batching features to:

- Improve speed
- Improve the batching accuracy.

Model C14 is designed for tough environments acting as a stand-alone unit or via remote control.

The scale always performs a tare-out prior to start of batching, and outputs for coarse, fine, emptying and ready/level controls the batching operation.

The A2-C14 can handle most types of batching and can directly replace most type of older analog controllers.



About the A2-C14

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 batch control
- Permanently stored data in flash memory
- Real-time clock

Choose between

Mounting options: panel mount or wall mounting

FieldBus connection: ProfiBus, CANopen, Devicenet, etc.

About the A2-C14

Features

- Indication of weight and batch states
- Automatic batch printout
- Stand alone or Remote operation
- Inputs for remote start etc.
- Easy to use start-up and re-calibration procedures
- The scale always performs a tare-out prior to start of batching, and outputs for coarse, fine, emptying and ready/level controls the batching operation

Technical specifications

Designation and order information:

The A2-C14 Indicators are identified by a unit code, that specifies class, relays, mounting type.

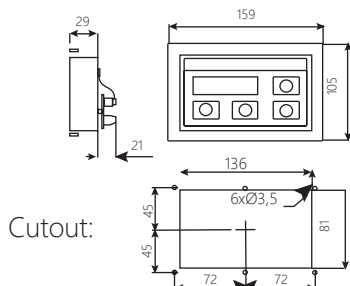
System type	Class	Relays	Mounting	Model	Language
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Code example

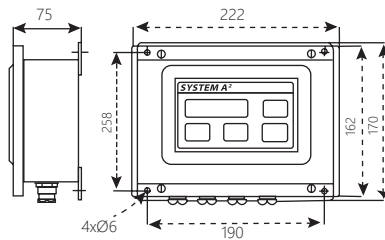
A2	N	4	P	C14	-XX*
System type	Normal Class	Relays	Mounting type	Model	Language

-XX*: Language selection: -GB or -S. (Other languages upon request)
 PW-24: Optional Power supply: 90-250VAC/24 VDC 25W - Fits inside field enclosure type -V and -W.
 FB-zz: Optional fieldbus converters for: DIN-rail, PDP (Profibus), CAN (Canopen). Fits inside field enclosure type -W only.
 TB-230: Optional terminal board with 250VAC/3A output relays. (Direct replacement for existing terminal board)

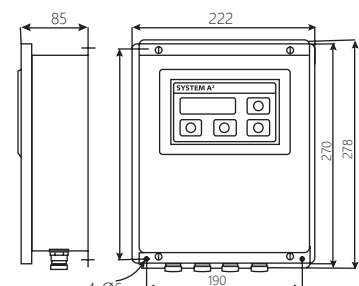
Mounting



Panel mount: **TYPE -p**
 Weight: 0,5 kg



Field enclosure **TYPE -V**
 Weight: 2,5 kg



Field enclosure **TYPE -W**
 Weight: 3,0 kg

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 func-
 tions)
 Analog Isolated 4-20mA, max 350, 12-bit reso-
 lution.
 (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)