

# System A2 - Model C15

## 1-component batch scale controller

The weighing controller A2-C14 is a 1-component batch controller for industrial use.

Model C15 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-C15 designates all parameters basic default values during the start-up procedure, meaning that the controller is ready to-use immediately after the performed start-up procedure.



### About the A2-C15

#### 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-C15

#### 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.

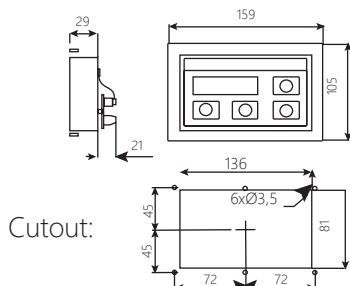
System type	Class	Relays	Mounting	Model	Language
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### Code example

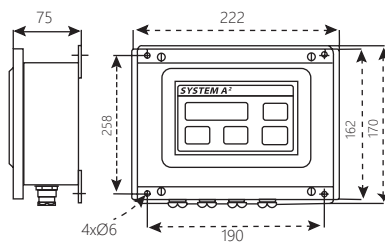
<b>A2</b>	<b>N</b>	<b>4</b>	<b>P</b>	<b>C15</b>	<b>-XX*</b>
System type	Normal Class	Relays	Mounting type	Model	Language

-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)

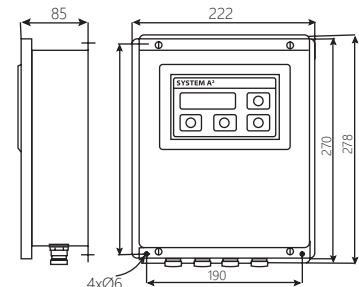
## Mounting



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 mm<sup>2</sup> max (AWG 16) for stranded wire (Terminals: 1-6, V+, V-).  
 11 x 1,5 mm<sup>2</sup> max (AWG 18) for stranded wire. (Terminals: 21-52).

### Input

Load Cell  
 Digital (2)  
 4- or 6-wire system with sense inputs, Closing contact, start of batch, ack. of deviation

### 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.  
 (Coarse, fine feed, emptying and ready for start=  
 Analog Isolated 4-20mA, max 350, 12-bit resolution.  
 (Gross weight)

### 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)