

## SM70-J-RA22

### SM70-J-xxx

|                                        |                                                                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>HMI</b>                             |                                                                                                                             |
| Display                                | 7.0" touchscreen, TFT, LCD, resistive, analog, 65 536 colors (16 bit)                                                       |
| Resolution                             | 800 x 480 pixels (WVGA)                                                                                                     |
| Number of definable displays           | 24                                                                                                                          |
| <b>Power supply</b>                    |                                                                                                                             |
| Nominal voltage                        | 24 V DC                                                                                                                     |
| Operating voltage range                | 20.4 ... 28.8 V DC                                                                                                          |
| <b>Inputs</b>                          |                                                                                                                             |
| Number of digital inputs               | 12                                                                                                                          |
| Number of analog inputs*               | 2                                                                                                                           |
| Number of temperature inputs           | 2 PT100 Number of temperature inputs                                                                                        |
| <b>Outputs</b>                         |                                                                                                                             |
| Number of relay outputs                | 8                                                                                                                           |
| Number of analog outputs               | 2                                                                                                                           |
| <b>Memory</b>                          |                                                                                                                             |
| Number of ladder code memory (virtual) | 192 KB                                                                                                                      |
| Number of memory bits (coils)          | 512                                                                                                                         |
| Number of memory integers (registers)  | 256                                                                                                                         |
| Number of timers                       | 32                                                                                                                          |
| Execution time                         | 15 µs / Kb                                                                                                                  |
| <b>Communication</b>                   |                                                                                                                             |
| Connections                            | USB<br>RS232<br>RS485<br>CAN                                                                                                |
| Protocol                               | MODBUS TCP, SNMP V1, CANopen, UniCAN, CANlayer2, BACnet, KNX and M-Bus via gateway, FB Protocol: for any 3rd party protocol |
| <b>General data</b>                    |                                                                                                                             |
| Storage temperature (no ice)           | -20 ... 60 °C                                                                                                               |
| Operation temperature                  | 0 ... 50 °C                                                                                                                 |
| Back-up battery                        | 7 years typical at 25°C, battery back-up for RTC and system data, including variable data.                                  |
| Dimensions                             | see fig. 2                                                                                                                  |
| Mounting                               | DIN rail, Panel with brackets                                                                                               |

#### Product references

| Description                                                                              | Type        | 24 |
|------------------------------------------------------------------------------------------|-------------|----|
| 12 digital, 1 HSC/shaft encoder, 2 analog inputs, 2 PT100/TC   8 relay, 2 analog outputs | SM70-J-RA22 | ✓  |

Other devices on request. Please contact [support@comatreleco.com](mailto:support@comatreleco.com).

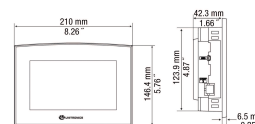
The VisiLogic software is available free of charge on [www.unitronicsplc.com](http://www.unitronicsplc.com) at downloads.

#### Accessories

|                            |                                                                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional Comm Ports      | V100-17-ET2, V100-17-RS4X, V100-17-CAN                                                                                                                                                                                |
| I/O Expansion Modules      | IO-DI8-T08, IO-DI8-R04, IO-DI8-R08, IO-DI16, IO-T016, IO-R08, IO-R016, IO-DI8ACH, IO-AI4-A02, IO-PT400, IO-PT4K, IO-A06X, IO-LC1, IO-LC3, IO-ATC8, IO-AI8, IO-D16A3-R016, EX-D16A3-R08, EX-D16A3-T016, EX-A2X, EX-RC1 |
| Routers                    | EX90-DI8-R08                                                                                                                                                                                                          |
| DIN rail kit for UCR B5/B8 | UCR-ST-B5-EU, UCR-ST-B8-EU<br>UCR-OP-B5-DIN                                                                                                                                                                           |



fig. 1. Dimensions (mm)



#### Technical approvals, conformities

Standards IEC 60068-2-27; IEC 60068-2-6

Approvals   