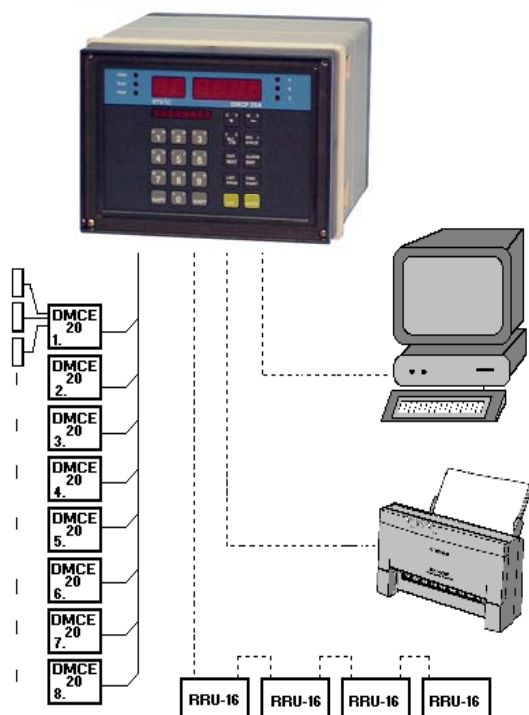


DMCP-20AS Measurement and alarm system



The DMCP-20AS is a decentralized measurement and alarm system that operates on the main unit/sub-centre principle. The DMCE sub-centres form 16 or 32 point measurement units and if required 32 point contact input units. The maximum number of points in one system is 576 measurement inputs and 512 contact inputs. Communication between the main and sub-centres uses a 2 wire RS-485 trunk line.

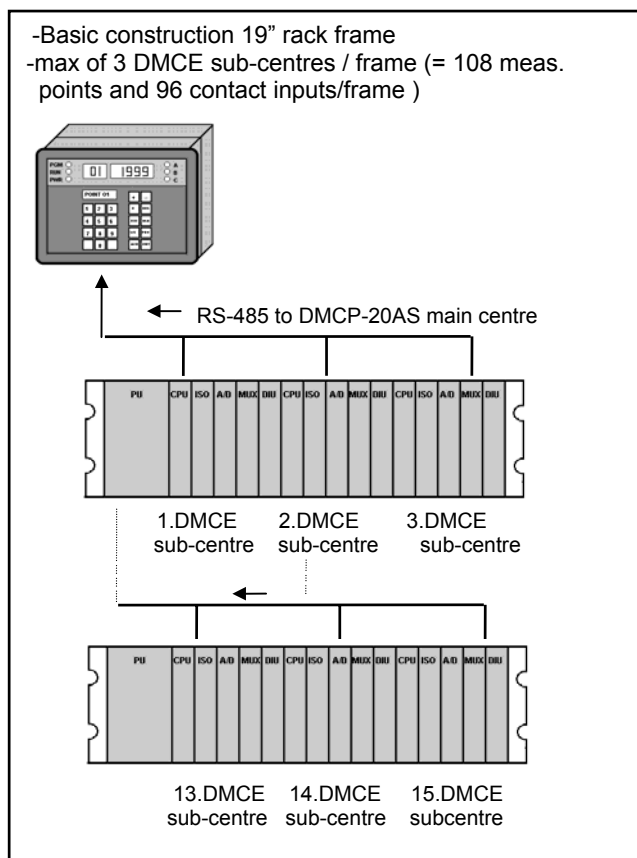
Measurement results are channel specific selectable by the user: temperature measurement (Pt-100 ohm resistance sensor, or thermocouple) or voltage/current/ resistance inputs and with adjustable display settings: pressure, humidity, flow, surface height and other measurements. The relay contact inputs are voltage free and may be open/shut contacts working as a current loop.

Using another serial output connection the DMCP-20AS may be connected to a PC or for some other data transfer purpose. The two parallel port outputs (centronic) may be used to connect an RRU-16 relay control unit and an alarm/report printer.

Reading of results and programming is done using the two numeric and one alphanumeric display and the front panel push buttons. The centre also has indicator lights to show the more important events and outputs. Both the main centre and sub-centres have a 230V 50Hz power supply as standard but on separate order an 18 - 36 VDC supply is also available.

DMCE-SUB CENTRE CONSTRUCTION

- Basic construction 19" rack frame
- max of 3 DMCE sub-centres / frame (= 108 meas. points and 96 contact inputs/frame)



ORDER INFORMATION

BASIC UNITS

| | |
|------------------|---|
| DMCP-20AS | Main centre flush mounting case, 192x144x250 mm |
|------------------|---|

SUB-CENTRES

| | |
|---------------------|--|
| DMCE-36A | Sub-centre board series, 36 meas. channels, CPU/ISO units |
| DMCE-36W | As above but mercury relays and isolation connector |
| DMCE-36W+32D | Sub-centre board series 36 meas and 32 contact input channels, CPU/ISO units |
| DMCE-36W+32D | As above but mercury relays and isolation connector |
| CR-3 | 19" rack max. of 3 sub-centre board series with power supply |

ADDITIONAL EQUIPMENT

| | |
|---------------------|---|
| RRU-16 | Relay unit, 16 control outputs (incl cable, 1.5m) |
| TP-1/50 | Mains unit 230V 50Hz / 24 VDC for relay units |
| LIC-485R | Line separator-amplifier unit |
| LIC-232/485R | Serial bus converter |
| PRINTER | Separate offer when required |
| PC | Separate offer when required |
| MESLOG - SL | Graphic based PC program for max of 16 DMCEs |