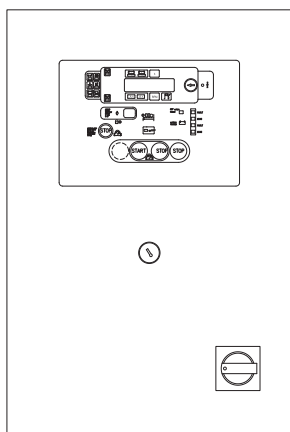


FFBM RANGE (FFB UNITS MAIN PUMP)



Control panels for fire-fighting units in compliance with EN 12845. Every control panel is set-up to control a pump.

The control panels are equipped with a circuit board that can monitor and control the starter-motor in automatic (start-up with pressure switches opening) and manual mode start-up of the pump diesel engine. The board has a graphical display in order to read the electric parameters and menu settings. Check the functioning status of the pump using a battery A and B voltmeter, battery A and B ammeter, timer, rev. counter, fuel indicator level, water thermometer, oil thermometer, oil pressure gauge and start-up counter. Signals the pump anomalies with battery A and B insufficiency alarms, minimum fuel level, no mains power supply, interrupted pick-up, A and B battery charger anomaly, insufficient oil pressure, charge alternator fault, motor overheating.

The alarms do not cause the pump to stop, they are indicated by the relative signalling of the cumulative LED, the message on the display and switch-over the contact to allow long distance monitoring.

The control panels are set-up to enable the weekly automatic test and, in the case of pressure switch start-up, for the automatic stop after 20 minutes of continuous functioning at maximum pressure (hydrant systems in compliance with UNI10779).

The control panel keeps the batteries charged.

The control panels have a removable terminal box on which it is possible to make all of the electric connections, i.e. where to connect the pressure switches, external floats and the signals to take back to the DFFRP control unit, which is installed in the manned area.

The front of the control panel encloses the indicators for signalling the alarms as envisioned by the EN 12845 Standard and the button for the LED test; inside, find protection fuses, power relays and the two battery chargers.

FUNCTIONS

- Automatic or manual control of the supply pump
- Alarms signal with possibility of remote replication

TECHNICAL DATA

- Power supply: 8-32VDC
- Temperature limits: -10°C ÷ + 50°C
- Protection rating IP55
- Reference Standards: EN 60204-1; EN 60439-1; EN 61000-6-1; EN 61000-6-2; EN 61000-6-3; EN 61000-6-4; EN 60529; EN 12845