



## Distributor

# DTS 2390.DCF Distributor

The DTS 2390 is a distributor for DCF 77 signals (unmodulated). The current loop input is distributed to five current loop outputs.

The device is a redundant system containing two identical systems.

In the event of an error, the monitoring system switches the outputs from system 1 to system 2. Once the error has been resolved, the system either remains on system 2

or switches back to system 1, depending on the selected operation mode.

For redundant operation, each system requires an independent time source (GPS, DCF) and an independent power supply.

This device is available with the option of five additional optical outputs.

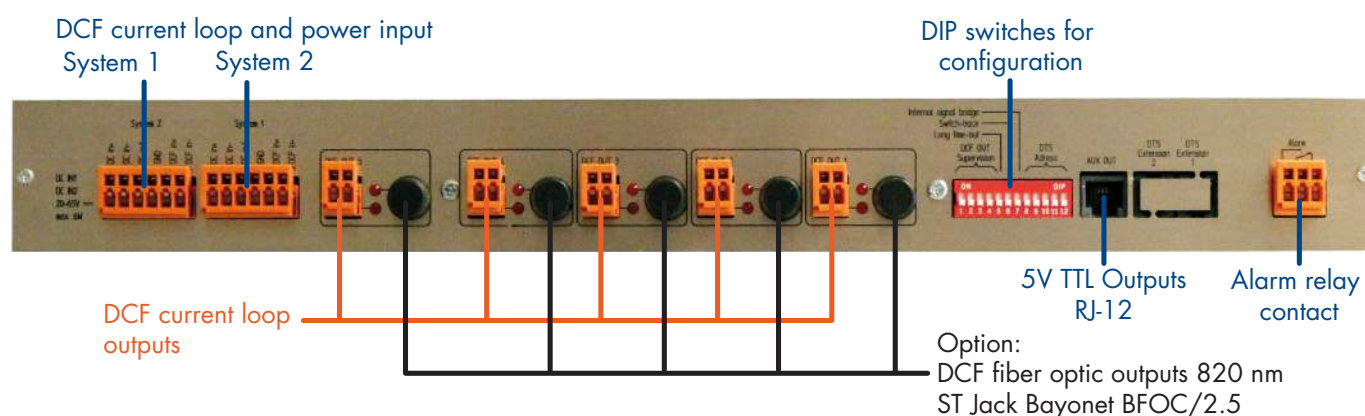
## DTS 2390.DCF Distributor - Technical details

### Special Features

- Monitoring of: input and output signals as well as power supply of both systems
- Each channel's output monitoring function can be switched on or off independently
- The distributor can be used in a manual or automatic mode
  - In automatic mode, the monitoring function will attempt to establish the greatest possible availability of the output signal. The automatic mode always starts with system 1 as active system
  - In manual mode, the selected input signal is fix linked to the outputs
- The input signal from system 1 can be bridged internally to system 2
- The following signals are additionally available as 5V TTL level: Input 1, input 2, active system, alarm (3,3V)
- Alarms are signalized with a switch over alarm relay

### Technical Data

- External power supply: 20 - 65 VDC
- Power consumption: < 6 W
- Operating temperature: 0...+50°C
- Housing: 19" rack / 1 HU
- Input: DCF 77 current loop unmodulated
- Output: 5 x DCF 77 current loop unmodulated, 5 x DCF 77 optical (optional), 1 x TTL 5V



### Application Examples

