

MAL 20C Window type alarm system

Main features

- Up to 20 digital inputs
- Flexible window size
- Each digital input can be defined as urgent or non urgent.
- Separate output contacts for urgent and non urgent alarms
- Red & yellow light for urgent & non urgent alarms can be defined.
- Name allocation for inputs can be defined in setting software. (Max. 16 characters)
- Event recording in log upon alarm activations, with 10ms time resolution.
- The alarms in records are mentioned with their specified name
- Input pick up time is adjustable from 10ms to 600sec for each input.
- Computer software for setting.
- GPS time synchronizing ability
- LCD display for setting and alarm monitoring in addition to windows
- Excel log file export
- Up to 20 systems can be linked, and communicate with station computer via RS485 serial port, and FMA Mlink system. (up to 400 alarm inputs network)
- Inputs 1 & 2 can be defined as inputs for TCS relay
- Two or more windows can be merged as one, to be able to extend the window size.

Inputs

- Digital inputs for *alarm pick up*
Voltage range: 70 to 180 V dc
Nominal Voltage: 110 V dc
- If inputs 1 & 2 are ordered to be as inputs for TSC relay,;
Voltage range: 20 to 180 V dc
Nominal Voltage: 110 V dc

Output contacts specifications

- **Two changeover contacts for urgent and non urgent alarms:**
Operating time: Pick up: 15 m Sec
Drop out: 10 m Sec
Permanent current: 10A
Max peak current: 15 A
Breaking current capacity:
At 110 V dc: 1 A resistive
0.6A Inductive L/R, 7ms

Max. switching voltage: 140Vdc, 440 Vac
- **One change over contact for TCS relay:**
(Should be mentioned in order)

Same as contacts for alarm

There is an additional changeover contact for watchdog, which changes its state during DC power missing.

It is strictly recommended to use the watchdog contact to detect the DC power interruptions.