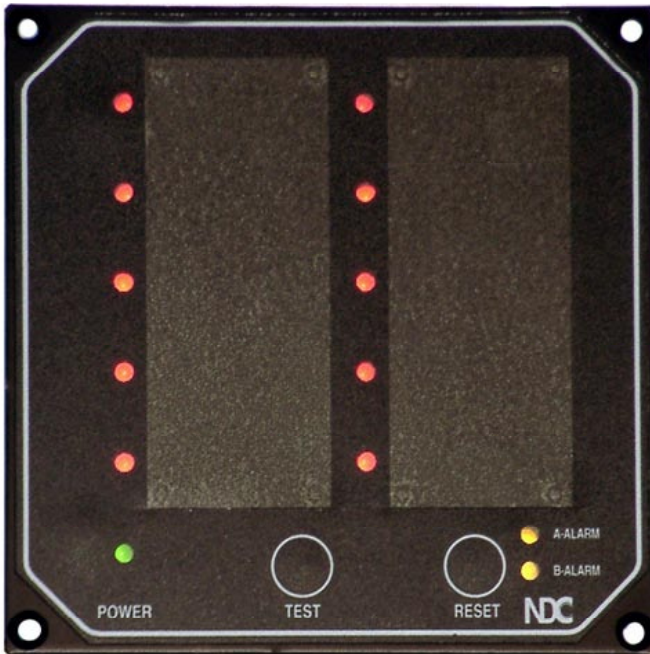
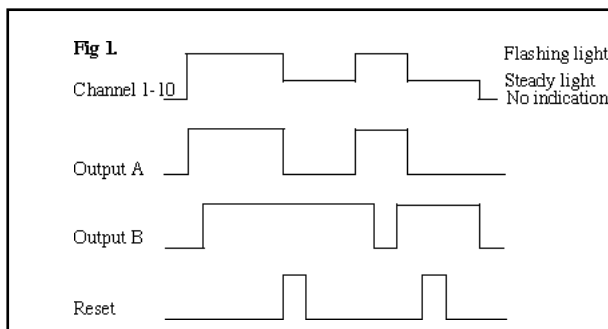


ALARM DISPLAY UNIT LLC-10 LRS

UNIVERSAL PANEL IN THE "DIN" SERIES, FOR USE BY PROCESS INDUSTRIES AND MACHINE MANUFACTURERS



- 10 channel unit for both normally open and closed sensor contacts (No/Nc).
- Alarm grouping in 2 categories (A-B alarms)
- Memory and flasher
- Time delay for each alarm channel
- Running light indicator
- Group indication
- Voltage failure indication
- Prepared for datatransfer



ADVANTAGES AND OPERATION

LLC-10 LRS is a compact alarm display unit in the "DIN"-series. It is designed for exacting applications. The unit is programmable for use with either normally open or closed sensor contacts, with adjustable time delay. The alarm display unit has two output relays (A and B alarms). **All channels shall be connected to A-alarm.** When a sensor flashing after the pre-set time delay has elapsed. At the same time the both output relays are activated (the B relay is delayed 5 sec in relation to the A relay). If a new sensor will be activated the B relay will do a quick status change. The signal is acknowledged by pressing the RESET button. This releases the output A relay and the flashing light becomes steady. **The B relay will be in alarm mode as long as any channel is in alarm state (Fig 1).** When the fault has been corrected and the sensor contact has returned to its normal state, the indicator lamp goes out. If the fault self-corrects and the sensor contact returns before acknowledgement, the fault remains in the unit memory, the light flashes and the output relays remain activated, until the RESET button is pressed. LLC-10 is equipped with a channel memory. The unit is always ready to receive new alarm signals, independent of system status. The panel can be provided with legends for each alarm channel or with a common 10 points legend.

SECURITY

LLC-10 LRS is designed for severe mechanical and electrical environmental conditions. It is provided with special protection against polarity reversal and accidental connection of voltage, interruptions etc. The unit is designed to indicate voltage failures, each group relay is normally activated. In the alarm state the relay is deactivated and a signal can be given with a horn, for example. The same happens with interruption in supply voltage. Its limited size and depth allow it to be easily mounted in panels, walls and similar spaces. Normal function testing is carried out by pressing a test button which simulates faults on the alarm channels in the system.

INSTALLATION

LLC-10 LRS is designed for panel, wall or cabinet mounting, and is supplied only in the master form. Systems with more than 10 alarm channels require, demand additional panels. Connection is made to the unit by an easily accessible screw terminal block, which can be fitted with a corresponding terminal strip. The use of this system means that cable connections need not be disturbed once the installation is complete, and the unit can be disconnected very quickly.

SPECIFICATIONS

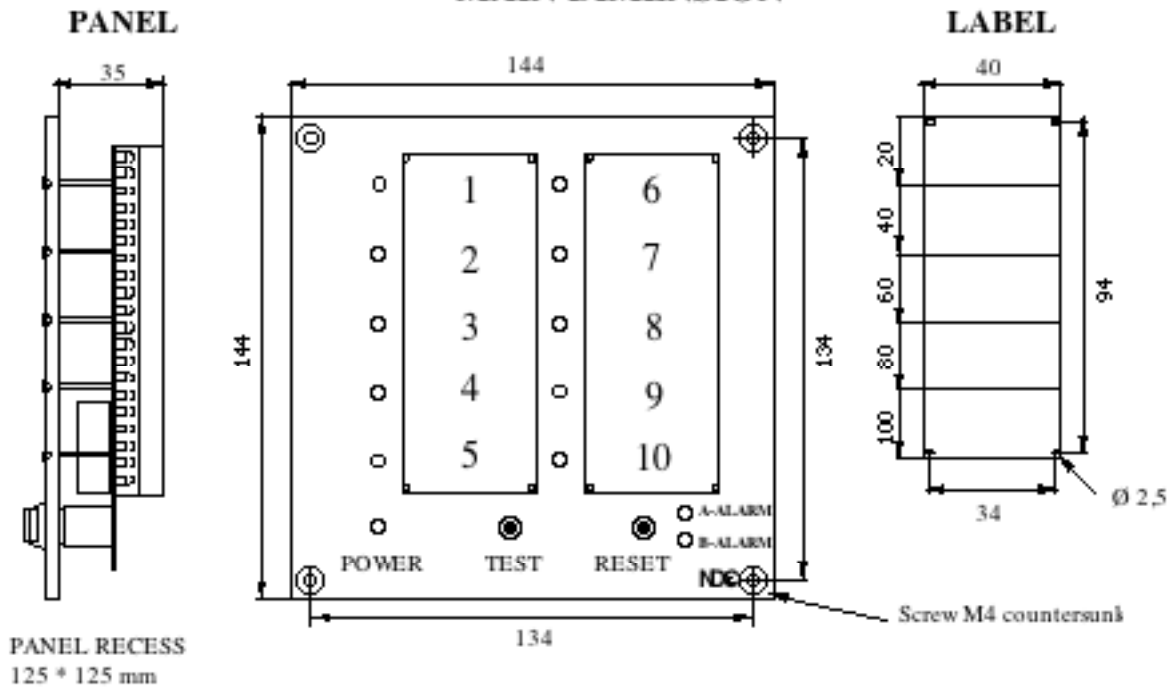
Supply voltage: 24V AC/DC \pm 20%
 Supply current: Normal condition 0,1A
 Alarm condition 0,2A
 Time delay: Individually adjustable time 0,5-20 sec. each channel.
 Output contacts: One change-over contact per alarm group (A and B alarms). Selection device on each alarm point contact rated max 100V 2A resistive load.
 Front: Dull black plastic with plastic cover IP44 and together with gasket IP65
 Main dimension: DIN 144x144x35 mm
 Panel recess: 125x125 mm
 Legends: Space for individual channel legends or common 5 channel legends
 Indicators: Red LED for unacknowledged alarm

ORDERING INSTRUCTIONS

12040-26 LLC 10 IP LRS
 Extra accessories:
 1084 Relay circuit board for an interface to computer or remote alarms.



MAIN DIMENSION



CONNECTION

