

DCS / PLC / ESD



RS 485



ANNUNCIATOR – INPUT FROM PLC (RS 485 INPUT)

10, VINAY COMPLEX, 1ST CROSS, RAJGOPAL NAGAR MAIN ROAD, GANAPATHI NAGAR,
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SAHYADRI (SECO) make Annunciator – input form PLC (RS 485 input)- SAN 200 series

is designed with Microcontroller based advance technology. This type of Annunciation system is useful in process control panels/ PLC panels to eliminate control cable wires and it accepts input from Program logic controller by only twisted two wires on RS 485 (Modus protocol). It saves cable cost, labour cost and also solve loose contact issues.

FEATURES:-

- Advanced high speed single chip Microcontroller with reliability and accuracy
- Available from 12 windows to 64 windows
- Front facia window in small, Big windows and combination of both
- Low power consumption
- Long life super bright SMD LED used
- With multi-colour selection
- Wide range AC/ DC Aux. supply
- Standby power supply
- DC supervision & fail Indication with Alarm contacts
- Contacts for external Alarms
- Inbuilt Alarm
- RS 485 communication input
- Field selectable window colour
- Provision for external push buttons for Test, Mute, Accept & Reset
- Two sets of potential free normally open contacts for audible Alarms (T & NT)
- Watch dog LED with Flashing
- Shock proof shrouded terminals

TECHNICAL SPECIFICATIONS:-

- **Windows available:** 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 52, 56, 60 & 64 windows
- **Aux. supply:** 1) 20 to 150V DC 2) 75 to 275V AC/DC
- **Facia Window illumination:** Ultra high bright SMD LED
- **Window Colour:** All Red, Red/ Yellow, Red/ White – site selectable (other colours are optional)
- **Window size:** 34 (H) x 37(W) mm and 34 (H) x 74 (W) mm – combination of both sizes
- **Window Flash rate:** 100 flashes per minute
- **Window Legend (Inscription):** Tracing sheet print or Photo negative
- **Power consumption:** 0.8W per window
- **Field input:** RS 485 (MODBUS Protocol)
- **Sequence of operation:** Normal Mode
- **Output contact:** 1 NO contact for Trip Alarm, 1 NO contact Alarm, 1 NO contact for DC fail alarm
- **Output contact rating:** 10A@30V DC/ 230V AC resistive load (make & carry)
- **Push buttons:** terminals provided for external PB's for Test, Accept & Reset
- **Enclosure:** Fabricated box

ADDITIONAL FEATURES / OPTIONAL FEATURES

- **Standby power supply:** 230V AC - 45 to 55 Hz (it can withstand and work up to 75 to 350V AC)
- **DC Fail Indication:** Last window flashing with 1 NO potential free contact for Alarm
(any specific window no. is upon request)
- **AC Fail Indication:** Last but one window flashing with Non trip contact for Alarm
(separate contact for Alarm is upon request)

Standard Compliances:-

- Initiation test: As per manufacturer spec.
- Burden test: As per manufacturer spec.
- Dielectric test: As per IS 3231
- Aux. supply variation Test: As per manufacturer spec.
- Electromagnetic radiation disturbance measurement test: AS per CISPR11: 2010 Class A
- Electrostatic discharge Immunity: As per IEC 61000 -4-2-2008
- Electrical fast transient / burst immunity: As per IEC 61000-4-4-2012
- Surge immunity: As per IEC-61000-4-5-2-14 Conducted Disturbances induced by RF Fields: IEC 61000-4-6-2013
- Voltage Dips: As per IEC 61000-4-11-2004
- Impulse Test:As per manufacturer spec.
- Dry heat oven test: As per IEC 60255-1-2009 CL 6.12.3.1
- Cold test: As per IEC 60255-1-2009 CL 6.12.3.2

BACK VIEW



SAHYADRI®

ISO 9001:2015 Certified



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