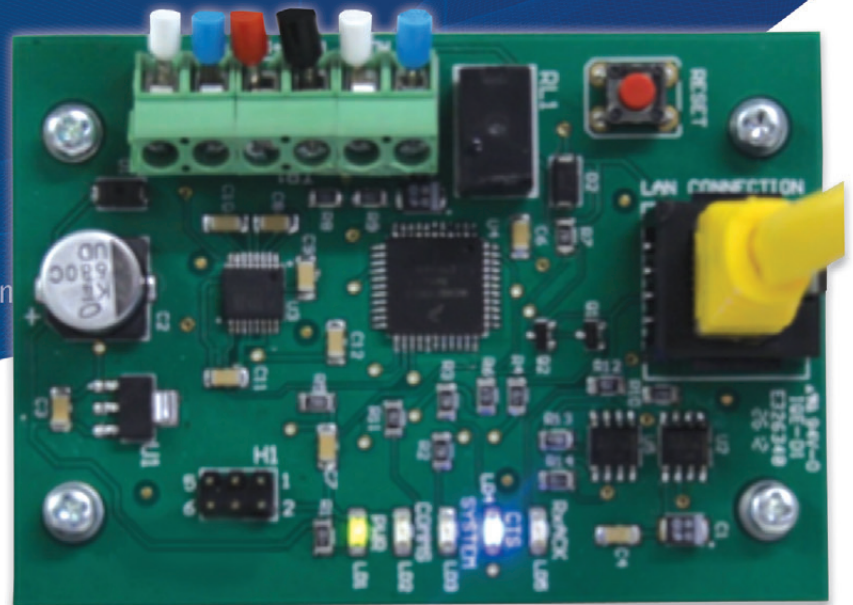


Innovative

Quality

Integration



## KTR SDA/SDT Serial Data Accumulator and Transmitter

The **SDA** and **SDT** work as a pair. The **SDA** will take any serial data from a device such as a Challenger panel, decode where applicable and transmit to multiple **SDT** devices in the field. The **SDT** will transmit the network data to a visual indication at a fixed point. The **SDT** has an onboard audible sounder as well as the serial annunciation output port. The SDA has an auto polling feature that will find **SDT** devices on startup initialization.

The **SDA** then supervises all **SDT's** using a polling and acknowledgment system. If an **SDT** happens to go off-line then a warning message is displayed on all displays. Also, the **SDA** alarm relay will activate which should be connected to one of the alarm inputs of the Challenger system. The built in 10K end of line resistors makes it very easy to connect to a Challenger input.

This system can be used to enhance any serial device that uses printer protocols to provide audible and visual indication which is located away from the head end.

**AUSTRALIAN** owned, designed and manufactured to high standards.

### FEATURES:

#### Challenger End or Serial Output End : (SDA)

- High level interface from either Computer or TCP/IP add-on cards with serial printer port
- 3 separate stacks for 3 different priority signals
- 40 message capacity per stack
- Prioritizes messages and displays accordingly
- Sets a time stamp from the Challenger upon initialization
- Communications and System failure indicators
- Message buffer overflow indication on display
- Displays only selective data depending on STAR CHARACTERS programmed in the Challenger printer string
- Standard Communication speed: 9600 baud
- Standard mounting holes to suit Challenger enclosures

#### Display End (SDT)

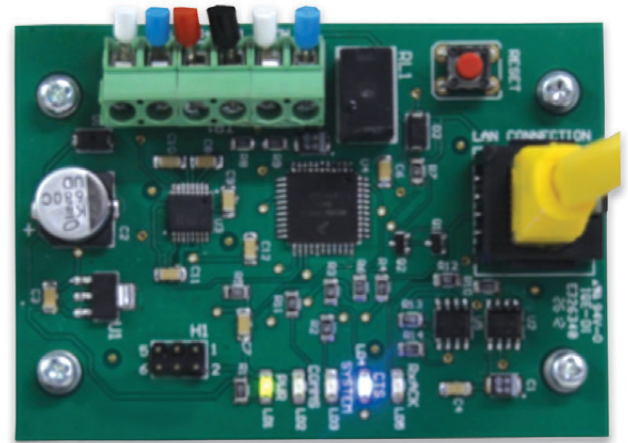
- Displays data transmitted from the Challenger serial port
- Keeps track of how long a message is being displayed and generates an audio alarm at the display end if message is not cleared within a specific time
- No external power supply required (Uses LAN power) unless very long cable run is used
- Extern power supply facility if needed
- 16 possible address expandable to 32
- Can handle up to 120 messages at a time
- Mounted in elegant HPM wall plate
- Data back up if there is system failure( as long as there is power)

## SYSTEM COMPATIBILITY:

- Any Device with RS232 serial output.

## PRODUCT SPECIFICATION AND ELECTRICAL CHARACTERISTICS:

- Operating voltage: 12V
- Communication speed: 9.6kbps
- LAN communications b/w SDA & SDT: RS-485
- Display communications: RS-232 Output



## Part Numbers

### Serial Data Accumulators

500-1150	Challenger Panel Serial Data Accumulator
500-1153	Generic Input Serial Data Accumulator

### Signs

432-1008	LED Sign
----------	----------

### Serial Data Transmitters

500-1151	Challenger Panel Serial Data Transmitter - Serial Output to Signs
500-1152	Challenger Panel Serial Data Transmitter - Mimic Panel 16 outputs

## Authorised Distributor

