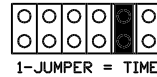BOARD SIZE: 3.50" X 2.75"

MODEL RS485WDT REV C

THE RS485WDT IS A REPLACEMENT FOR THE INDUSTROLOGIC UWDT485 WITH SEVERAL ENHANCEMENTS, INCLUDING A 9-35VDC VOLTAGE INPUT RANGE, AN "ACTIVE DATA" GREEN LED INDICATOR (WITH PULSE "STRETCHER") FOR A BRIGHT/ "VIVID" INDICATION WHEN THE RS485 RESET/TRIGGER/"KEEP-ALIVE" DATA IS BEING RECEIVED. ALSO, DIGITAL/JUMPER TOV (TIME OUT VALUE) SELECTION. ANY DATA RATE OR COM SPECIFICATION UP TO 921.6KBPS+, AND IMPROVED TIMING. FORM-C RELAY FACILITATES DETECTION OF DATA OR POWER LOSS, AS WELL AS SHORTED DATA LINES (FAIL-SAFE BIAS).

AN ALARM "LOOP" CAN BE FORMED BY USING THE RELAY NO AND COMMON TERMINALS. CASCADE MULTIPLE UNITS TO ALLOW THE MONITORING OF SEVERAL DATA LINES IN LARGE SYSTEMS AND, THEN CONNECT ONE ALARM DEVICE. LED INDICATORS ON ON EACH RS485WDT UNIT CAN THEN BE USED TO DETERMINE THE SIGNAL/POWER LOSS STATUS ON A SPECIFIC UNIT. RS422 (4-WIRE) SIGNALS CAN BE MONITORED IN BOTH DIRECTIONS BY USING A PAIR OF RS485WDT UNITS. LOSS OF THE MONITORING CURRENT WILL INDICATE A FAULT/ERROR CONDITION.

100S 75S 50S 25S T5S TOV
1-JUMPER = TIME

SET ONE JUMPER ONLY FOR DELAY TIME
USER TOV 1-440S, SET BY R23, SEE
RS485WDT DRAWING OR MANUAL

TERM
E ENABLE RS485 150 OHM TERMINATION

D DISABLE RS485 150 OHM TERMINATION

100
100 OHM 1/2W TO COMMON

RS485 "HARD" COMMON
GND

JUMPER INSTALLED
(FACTORY SETTING)
I=INSTALL, R=REMOVE

QUICK DATA & INFORMATION

FAIL-SAFE BIAS VIVID ACTIVE DATA INDICATOR	DATA RATE UP to 921.6Kbps+ DETECT 1uS DATA
TEMP/HUMIDITY -40C to 85C 10-90%RH NON-CD	VOLTAGE & PWR Vin = 9-35VDC 0.5 WATTS TYP.
NO/COM RELAY FOR FAIL-SAFE OPERATION MODE	TIME-OUT SELECT 100S, 75S, 50S, 25S, 5.1S, USER
FAIL SAFE OPERATION FOR LOSS OF DATA, POWER, SHORTED DATA LINES. 6 LED INDICATORS FOR UNIT STATUS	
TALK TO RON THE DESIGN ENGINEER 513-638-0228 CELL, NO TEXTING PLEASE, EXCEPT FOR PHONE NUMBER EMAIL ADDRESS AND YOUR NAME.	

RE-Smith
WWW.RS485.COM
10330 CHESTER ROAD, CINCINNATI, OHIO 45215
513-874-4796

LINK: rs485.com/prs485wdt.html/

DRAWN BY RES	SUBJECT MODEL RS485WDT
DATE 6-12-20	FOR WDT QUICK DATA
SCALE NONE	
CHKD. BY RES	RES R. E. SMITH 10330 CHESTER ROAD CINCINNATI, OHIO 45215
SHEET 1 OF 1 RS485WDTQD	DWG. NO. RS485WDTQD REV. C