

Proximity Tester (Model ST-800)



SUNS ST-800 proximity switch tester is designed to test most 3 wire DC proximity switches: inductives [metal sensing], capacitives, photoelectrics or ultrasonics. The unit is fitted with 2x 9V batteries ready for use.

Standard color coding for 3 wire proximity switches is Brown = Positive Black = Load, Blue = Negative (-) [Note: some universal DC switches can vary, try to follow makers wiring instructions]

TESTING INSTRUCTIONS

Connect the switch to the ST-800, place a suitable target in front of the switch. If the switch is functioning correctly, the unit will give audio and visual indication showing the switch operates and indicating the functionality of the switch according to the chart below :

Switch type	Buzzer & LED on when	LED
PNP normally	open target in range	PNP
PNP normally	closed target not in range	PNP
NPN normally	open target in range	NPN
NPN normally	closed target not in range	NPN

If the proximity switch does not give such feedback when correctly connected to the tester, it has probably failed. [Note: The ST-800 will not test 2 wire AC or DC switches]

LED Functions

Green I/O LED	switch connected & unit on
Red (Batt) LED	battery low indicator
PNP or NPN LED	indicated switch type