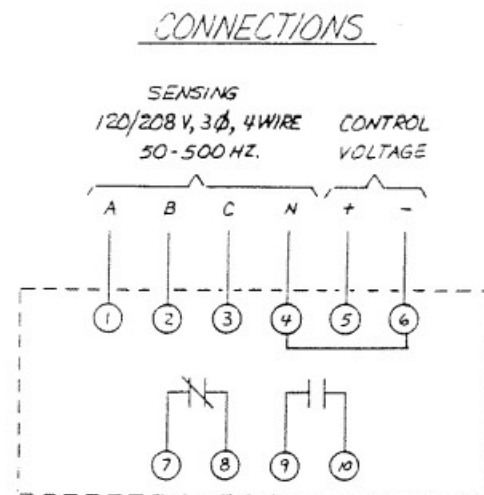
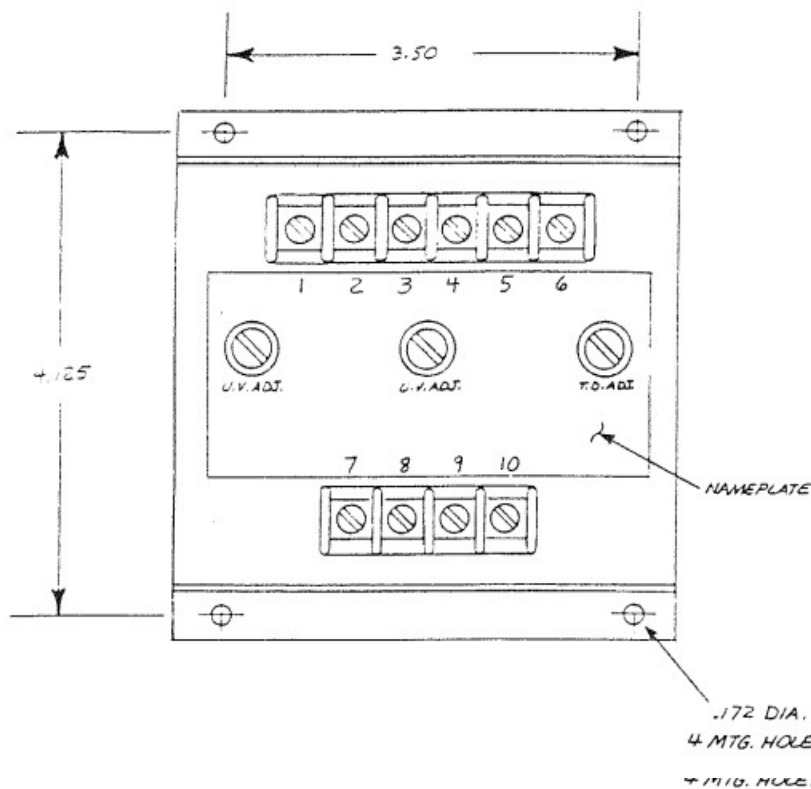


OVER/UNDervoltage RELAYS—MODELS 251-18X AND 251-20X

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL DRAWING	04SEP2020	SR	TN



SPECIFICATIONS

SENSING VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE, 50-500 HZ.

CONTROL VOLTAGE:

MODEL 251-18X: 12 VDC $\pm$ 15%

MODEL 251-20X: 24 VDC $\pm$ 15%

TRIP POINT RANGE:

UNDervoltage: 100 TO 120 VOLTS, LINE TO NEUTRAL.

SCREWDRIVER ADJUSTABLE

PICK-UP TO DROP-OUT DIFFERENTIAL: 2.5 V.

OVERVOLTAGE: 120 TO 140 VOLTS LINE TO NEUTRAL,
SCREWDRIVER ADJUSTABLE.

TYPE OF SENSING:

UNDervoltage: LOWEST OF THE THREE PHASES.

OVERVOLTAGE: HIGHEST OF THE THREE PHASES.

DROP-OUT TIME DELAY: 0.5 TO 10 SECONDS, SCREWDRIVER ADJUSTABLE.

OPERATION: THE "N.C." CONTACTS CLOSE AND THE "N.O." CONTACTS OPEN
AT THE NOMINAL VOLTAGE. THEY TRANSFER TO THE
NORMAL CONDITION AT OVER OR UNDER VOLTAGE
AFTER TIME DELAY.

OPERATING TEMPERATURE: -40°F TO +158°F.

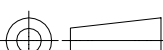
OUTPUT CONTACTS: ONE SET NORMALLY CLOSED, ONE SET NORMALLY OPEN

CONTACT RATING: 5 AMP. RESISTIVE AT 120 VAC OR 30 VDC.

CONSTRUCTION: SOLID STATE SENSOR WITH RELAY OUTPUT ENCLOSED
IN A SEALED STEEL CAN.

NOTES:

1. REMOVE BLACK SCREWS FOR ACCESS TO THE OVERVOLTAGE, UNDervoltage AND TIME DELAY ADJUSTMENTS.
2. CLOCKWISE ROTATION OF THE O.V. AND U.V. ADJUSTMENT POTENTIOMETERS WILL RAISE THE TRIP POINTS.
3. CLOCKWISE ROTATION OF THE TIME DELAY ADJUSTMENT POTENTIOMETER WILL INCREASE THE TIME DELAY.
4. THE UNDervoltage TRIP POINT IS FACTORY SET AT 110.4 V 60 HZ, L-N
THE OVERVOLTAGE TRIP POINT IS FACTORY SET AT 129.6 V 60 HZ, L-N
THE TIME DELAY IS FACTORY SET FOR 2 SECONDS ON DROP-OUT.
5. TERMINALS (9) AND (6) MUST BE CONNECTED TOGETHER EXTERNALLY TO PREVENT
ACCIDENTAL DAMAGE TO THE INTERNAL JUMPER.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SR	04SEP2020	TE Connectivity					
		CHK SR	04SEP2020						
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME OVER/UNDervoltage RELAYS MODELS 251-18X AND 251-20X —					
		APVD TN						04SEP2020	
		PRODUCT SPEC —							
		APPLICATION SPEC —							
MATERIAL —		FINISH —		WEIGHT —		SIZE A3	CAGE CODE 25248	DRAWING NO C-21-625	RESTRICTED TO —
CUSTOMER DRAWING						SCALE NTS	SHEET 1 OF 1	REV A	