Instructions for Creating Underground Fault Indicator Part Numbers

1. Select one code (in bold) from each column (i.e., 1, B, IR, etc.). It is possible to select more than one code from the Options column. List option codes in the order that they appear in the column. Please consult the factory if you are choosing more than one option from the options column. Consult E. O. Schweitzer Manufacturing if you are preparing to order a part number you have not ordered before.

2. Follow your usual process to issue a purchase order, or complete a specification for standards.

Example Part Numbers

1TPRI0160IRJ

3TPRL0300IR

3TPR30800IRAJ6

Underground Test Point Reset—Single-Phase

Single-Phase	BEACON LED Option	Test Point Reset Designation	Display	Trip Level		Options	
1	**–** No BEACON	**TPR**	**I** Integral	**0060**	60 A	**–**	No options
	B BEACON LED		**V** Standard remote	**0100**	100 A	**IR**	Inrush restraint
			L Large remote	**0120**	120 A	**A**	Auxiliary contact
			B Bolt	**0200**	200 A	**DT**	Delayed trip (24 ms)
				0300	300 A	**J**	Junction shields*
				0400	400 A	**J6**	600 A class junction shields*
				0600	600 A		
				0800	800 A		
				1000	1000 A		
				1200	1200 A		

* Required ≤200 A

Underground Test Point Reset—Three-Phase

Three-Phase	BEACON LED Option	Test Point Reset Designation	Display	Trip Level		Options	
3	**–** No BEACON	**TPR**	**3** Three-phase	**0060**	60 A	**–**	No options
	B BEACON LED		**V** Standard remote	**0100**	100 A	**IR**	Inrush restraint
			L Large remote	**0120**	120 A	**A**	Auxiliary contact
			B Bolt	**0200**	200 A	**DT**	Delayed trip (24 ms)
			4 Three-phase target with single LED**	**0300**	300 A	**J**	Junction shields*
				0400	400 A	**J6**	600 A class junction shields*‡
				0600	600 A		
				0800	800 A		
				1000	1000 A		
				1200	1200 A		

* Required for trip levels below 300 A
‡ Required on 600 A class elbows with "3" display
** Must select BEACON LED option in column 2

TPR — Test Point Reset

Test Point Reset (TPR) fault indicators are designed to aid in fault location on underground distribution systems that use terminators having test points. TPRs are easily installed on 200 A or 600 A separable connectors with test points. TPRs are line-powered using the potential present on the test point of elbow terminators (no load current is required).TPR circuitry is epoxy-encapsulated and housed within an EPDM rubber boot, and the display target is hermetically sealed within a polycarbonate housing. This rugged construction makes TPRs suitable for application in harsh underground environments. They are available in single- or three-phase versions with integral or remote displays. TPRs automatically reset upon restoration of system voltage and are a quick, economical way to apply fault indication to underground systems.

Compatible With RadioRANGER® Wireless Fault Indicator System

The most economical fault-indicating solution for elbow test point applications.

Overview

The most economical solution for underground applications.Easy to install on most brands of 200 A or 600 A class elbows with capacitive test points.Automatic reset upon restoration of system voltage.Ideal for pad-mounted transformer and switchgear applications.Several remote display options eliminate the need to open an enclosure cabinet to determine the indicator's status.Available in single- and three-phase models.Simply remove the fault indicator to access the test point.Auxiliary contact option for SCADA compatibility.Junction shield option prevents false tripping due to adjacent phase effects. Please consult SEL.

Power Source	Capacitive test point voltage
Nominal Trip	Ratings 60 to 1200 A
Trip Tolerance	±10%
Reset Voltage	(L-N) ≥5 kV
Reset	Automatic at minimum voltage
Reset Time	3 minutes typical, dependent on system voltage
Maximum Fault Current	25 kA for 10 cycles at 60 Hz
Trip Response Time	1 ms
Inrush Restraint Response Time	300 ms (add "IR" option)
Elbow Style	200 A or 600 A class with test point
Housing Material	Conductive EPDM rubber
Temperature Range	—40° to +85°C