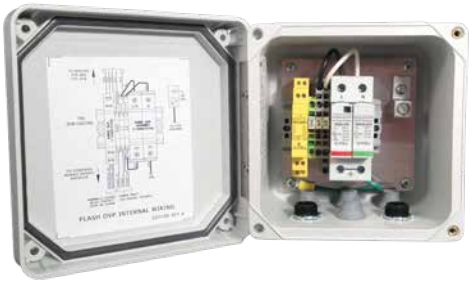
OVP System for Wind Turbine Lights

Flash Technology's Overvoltage Protection System (OVP) is a surge handling device rated up to 40kA 8/20µS. It is designed for in-line installation between a wind turbine light and the supply interface located in the nacelle of wind turbines. The OVP provides protection from direct and indirect effects of lightning or other surge-related damage to the host equipment.



Two versions of the OVP product are available:

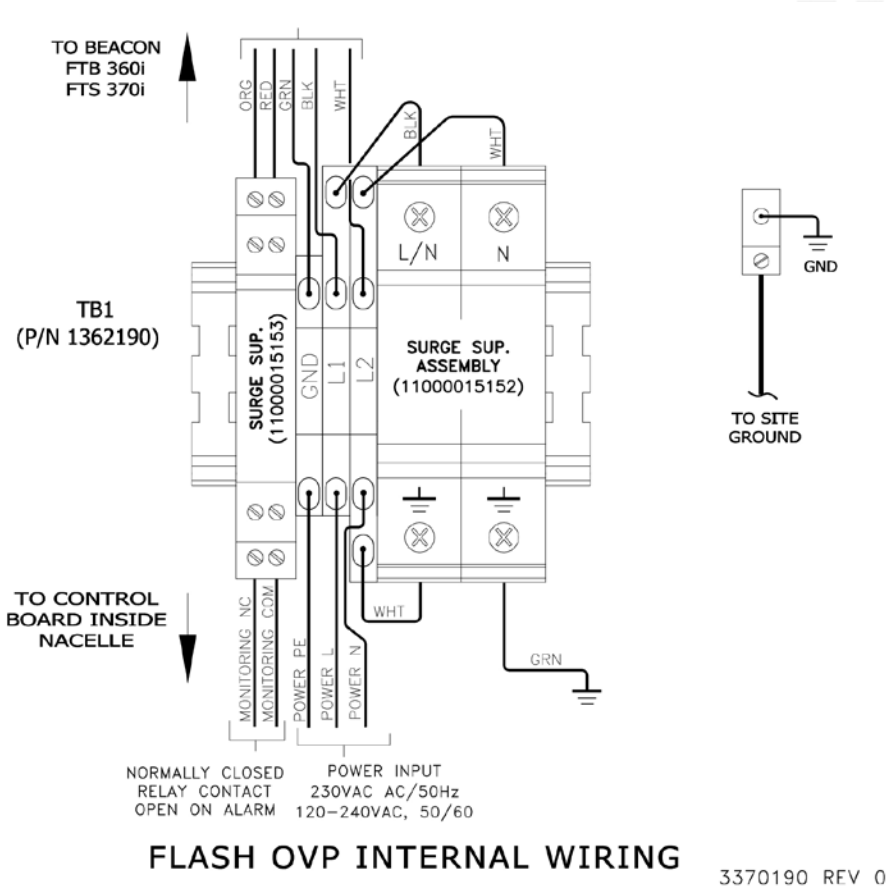
1. The OVP product provides protection for the AC power conductors and the beacon's alarm dry contact conductors.
2. The OVP-RADAR product additionally provides protection for the beacon's radar control inputs.

ALARM CIRCUIT PROTECTION	
Component	Citel DLA-24D3
Utilisations Type	Leased Line 4-20 mA
Nominal Line Voltage (Un)	24 V
Max. Line Voltage (Uc)	28 V
Max. Line Current	300 mA
Max. Frequency	< 3 MHz
Protection Level (Up) 8/20µs impulse - 1 time	40 V
Nominal discharge current (In) 8/20µs impulse - 10 times	5 kA
Max. discharge current (Imax) 8/20µs impulse - 1 time	20 kA
Impulse Current (Iimp) 10/350µs impulse -2 times	5 kA
End of Life	Short Circuit

POWER CIRCUIT PROTECTION	
Component	Citel DS42S-230
Network	230 V 1-phase+N, 2-phase
AC System	Single / split phase
Protection Mode	Common
Imax Total	80 kA
Up L/PE	1.25 kV

OVP System

ENCLOSURE	
Regulatory	ETL Intertek Verified
	CSA
	CE
Fiberglass	NEMA 4X
Dimensions	7.3 W x 7.3 H x 4.96” D (185.4 x 185.4 x 125.98 mm)
Weight	2.8 lbs (1.3 kg)



FLASH OVP INTERNAL WIRING

3370190 REV 0