

# Airport Surge Protectors

## Model: TLP-2000



Australian designed & manufactured

### MAIN BUILDINGS

Protection of Airport Main Supply  
Three Phase 415V to 240kA fault (8/20usec)  
Single Phase 240V to 80kA fault (8/20usec)  
Status "life" indication via bi-colour LED's  
Relay output for status monitoring  
Modbus output for BMS interfacing



### LIGHTNING PROTECTION FOR RUNWAYS & TAXIWAYS & BUILDINGS

### TAXIWAY/RUNWAY TLP-2000

Protecting Darwin Airport since 1999  
Controlled "let-thru" surge Voltages  
Three mode protection (excl. TLP-2000)  
CE and c-tick compliant  
AS1798:2005 compliant



### RUNWAY / TAXIWAY LIGHTING

Protection for runway and taxiway lighting  
Up to 2000V – withdrawable type protector  
Unique testing and serial numbering  
Live exchange of protectors

Re-calibration/re-certification service offered for the TLP-2000 currently in service.

## SPECIFICATIONS

MODEL	TLP-2000	TLP-P80-1P	TLP-P240-3P-DRI
Application	Runway/Taxi	1 Phase	3 Phase
<b>VOLTAGE</b>			
Nominal Vrms	2000	240	415
Maximum Vrms	2200	275	485
<b>PHASES</b>			
Number	1	1	3
<b>FREQUENCY</b>			
Range (Hz)	40-60	40-60	40-60
<b>CURRENT</b>			
Nominal Amps	N/A	N/A	N/A
<b>PEAK DISCHARGE</b>			
8/20usec (kA)	80	80	240
<b>MAX LET THRU VOLTS</b>			
Volts >	3200	690	690
Modes	1	3	3
<b>INDICATION</b>			
Visual (LED)	NO	YES	YES
Remote (Relay)	NO	YES	YES
Monitoring (Modbus)	NO	YES	YES
<b>WORKING TEMP</b>			
Range (DegC)	-40 to +70degC	-40 TO +70degC	-40 to +70degC
<b>MOUNTING STYLE</b>			
Type	Plug/Fuse	DIN	DIN
<b>WEIGHT</b>			
Nett (Grams)	1500	285	750

For other applications please ask us for a solution

## MOUNTING STYLE

The TLP-2000 consists of a 63Amp HV fuse holder with 1.1kV MOV's, handle and protection plate with single stud / bottom entry connection. The TLP-P80-1P and TLP-P240-3P are DIN rail mounted in switchboards.

## MODES OF PROTECTION

The TLP series of surge/lightning protectors are designed to the latest International Standards as listed below, the range also offers three (3) modes of protection – being L-L, L-N, N-E.

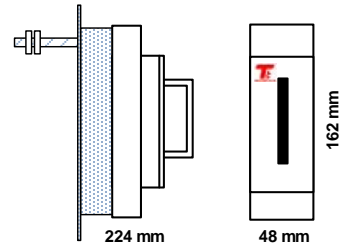
Standards designed to:

- IEC 61643-1
- AS1768:2003
- IEC 62305-4:2010



Also in Sydney – Brisbane – Adelaide – Hobart - Devonport

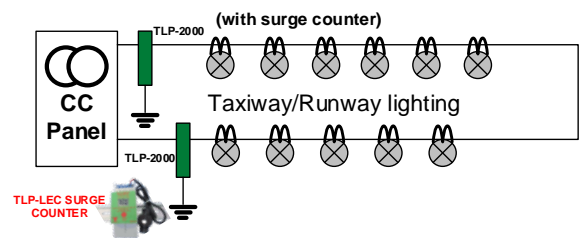
## DIMENSIONS TLP-2000



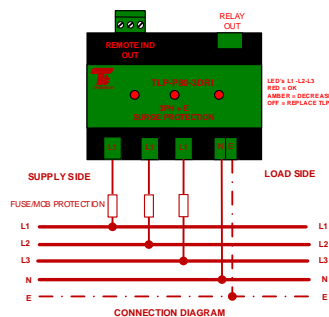
## DIMENSIONS

Model	W	D	H
TLP-P80-1P	106	110	72
TLP-P240-3P	140	110	72

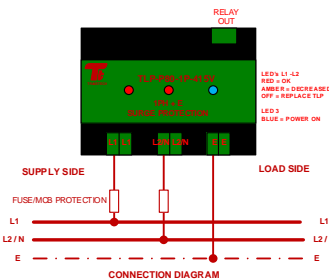
## TYPICAL APPLICATION FOR TLP-2000



### 3 Phase connection



### 1 Phase connection



## PERFORMANCE GUARANTEE

Transtech® has been designing and manufacturing Industrial Instrumentation since 1996 and has an established policy of 100% testing prior to shipping to it's Customers. By this method Transtech® guarantees that all products are fit for purpose and carry a 5 year replacement warranty.

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