

# FL485

## RS-485 Surge Protector

### Features

1. Three stages of protection on every data line
2. Protected signal ground connection
3. Easy to install, plug-and-play
4. 4500V surge protection



### Introduction

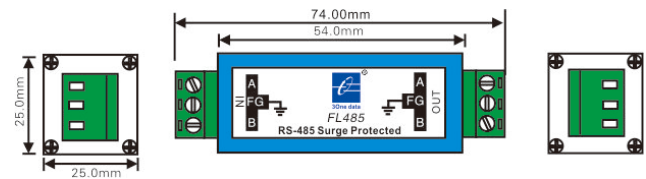
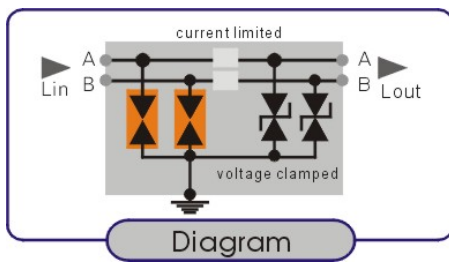
IEC61000-4-5 and ITU-TK20&K21 are the recognized standards for top quality surge protectors, FL485 have high respond speed, low

output rudimental voltage, ascendance transfer performance. All have #10 ground screws which must be connected to a solid ground.

### Circuit diagram

FL485 is designed by the theory of current limited and voltage clamped, discharged to ground. When the data line exist surge, the FL485 is induced and worked ,the lightning energy is discharged to

ground, and the high surge voltage is clamped to low level, so our devices is protected.



Dimension

### Specification

Standard: Accord EIA RS-485 standard  
 RS485 signal: IEC6100-4-5 and ITU-TK20&21  
 Working voltage: 0-5V  
 Limit voltage: <15V  
 Apply Band rate: 1Mbps  
 Isolate signal: TXD, RXD, GND  
 Connector: Standard industrial terminal block  
 Insert consumption: <0.5dB  
 Delay time: <1ns

Humidity: Relative humidity 5% to 95%

#### Power

Input powered: No power supply needed  
 Consumption: No consumption

#### Dimension

L×W×H: 74mm×25mm×25mm  
 Shell: Alnico  
 Color: Blue  
 Weight: 10g

#### Environment

Working temperature: -20 to 60  
 Storage temperature: -25 to 85

#### Warranty: 3 years

Approvals: FCC, CE, RoHS approvals

### Packing List

1. RS-485 Surge Protector FL485 × 1
2. User manual × 1

