

# DTK-2MHLPF Series

## Signaling Circuit Modular Surge Protection



DTK-2MHL24F



DTK-2MHL24FWB

### Product Features

- Protects two pairs per module
- Exclusive load removal feature
- Multi-stage, SAD technology, hybrid design, provides the best possible protection
- Field replaceable, modular edge card connection design with a single point ground for fast installation, saves time
- Six voltage levels available to protect all types of voice/data applications
- Hard-wired multi-base mounting system allows you to protect up to ten pairs with a common ground. See next page for base part numbers
- Suitable for use on both AC and DC circuits

### Applications

- Circuits that operate at less than 1 Amp
- Fire Alarm Panel SLC, PIV and IDC Circuits
- Burglar Alarm Panel IDC Circuits
- 4-20mA Current Loops

### Accessories

- To order Module with Base, add "WB" to end of part number
- Test Module Kit – Part Number DTK-2MHLPTM
- DIN Rail Mounting Kit – Part Number DTK-DRK

**DITEK's DTK-2MHLPF** series of loop circuit surge protectors provide robust protection in a compact package. This series was designed to remove load instead of shorting to ground. Convenient field-replaceable modules offer ease of installation, and the Snap-Track base system allows installers to protect multiple circuits while utilizing a common ground point.

### Technical Specifications

DTK-2MHLP	5F	12F	24F	36F	48F	75F
<b>Service Voltage:</b>	5V	12V	24V	36V	48V	75V
<b>MCOV:</b>	6V	18V	33V	48V	64V	90V
<b>Clamping Voltage:</b>	6.8V	21.6V	39V	57V	76V	108V
<b>Protection Modes:</b>	Line-Ground (All)					
<b>Surge Current Rating:</b>	20,000 Amps					
<b>Max Continuous Current:</b>	1 Amp					
<b>Data Rate:</b>	200kbps to 2Mbps					

### Mechanical Characteristics

<b>Base Connection Method:</b>	10AWG max screw terminals	
<b>Module Connection Method:</b>	Edge card into mounting base	
<b>Housing:</b>	ABS	
<b>Operating Temperature:</b>	-40°F - 158°F (-40°C - 70°C)	
<b>Maximum Humidity:</b>	95% non-condensing	
<b>Dimensions:</b>	<b>Module</b> 2.1"L x 1.4"W x 1.9"H (53mm x 36mm x 48mm)	<b>Module with Base</b> 3.25L" x 1.5"W x 2.6"H (83mm x 38mm x 66mm)
<b>Weight:</b>	1.2 oz (34g)	2.8 oz (79g)

### Quality, Standards & Approval

<b>Agency Approvals:</b>	UL497B
<b>Warranty:</b>	Ten Year Limited Warranty

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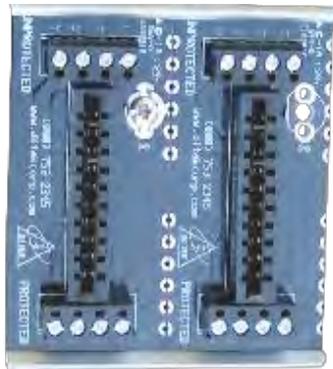


## Base Part Numbers and Dimensions

Part Number	# Pairs Protected	Dimensions
<b>DTK-MB10</b>	2	3.25"H x 1.50"W (82.5mm x 38.1mm)
<b>DTK-2MB</b>	4	3.25"H x 3.00"W (82.5mm x 76.2mm)
<b>DTK-3MB</b>	6	3.25"H x 4.50"W (82.5mm x 114.3mm)
<b>DTK-4MB</b>	8	3.25"H x 6.00"W (82.5mm x 152.4mm)
<b>DTK-5MB</b>	10	3.25"H x 7.50"W (82.5mm x 190.5mm)



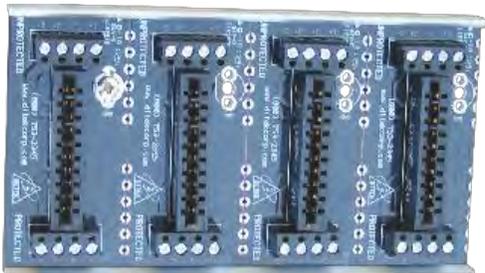
DTK-MB10



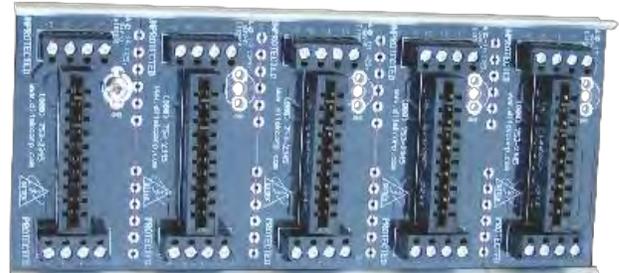
DTK-2MB



DTK-3MB



DTK-4MB



DTK-5MB