

# PCH<sup>TM</sup>

Series

**Ideal For  
19" Relay Rack  
Applications  
Supporting Hubs,  
Routers, Switches  
and other  
high speed  
communications/  
networking  
equipment.**

## DATA LINE SURGE PROTECTION

The Category 5 PCH Series 24-Port Protected Patch Panel helps ensure the reliable operation of networked equipment using 100Base T, ATM155, CDDI and other 100Mhz applications where system availability is absolutely critical.

### PCHs OFFER

- State-of-the-art, avalanche diode technology
- Self-resetting, 1500 Watt, bi-directional circuit
- Clamping voltage of 12 volts
- Convenient, integral, wiring management system

### YOU RECEIVE

- Affordable, superior, equipment security
- Improved reliability and maximized system up-time
- Adaptability to most industry applications

The PCH series is a 24 port, 2U, 110 IDC to RJ45 patch panel with built-in surge protection. These devices help guard sensitive, high speed communication equipment from systems damage, data loss and down time resulting from the effects of lightning, surges, electrostatic discharge and other induced voltages on data lines. PCHs include industry-standard, 19" rack-mounting for structured cabling environments, TIA/EIA-568-A compliance and an extremely fast response time of less than 5 nano-seconds. Convenient, built-in, all-wire protection makes this patch panel cost effective and a real time saver.

Designed for high-speed data, voice and multimedia applications in structured cabling environments for mid to large-size businesses today, these units incorporate the latest in communication protection technology for mission critical installations.

The self-resetting, 1500 Watt, bi-directional circuit provides maximum reliability. Over voltages are safely shunted to ground via an 11" braided wire and chassis frame for maximum protection.

[www.cylix.com](http://www.cylix.com)



TIA/EIA-568-A

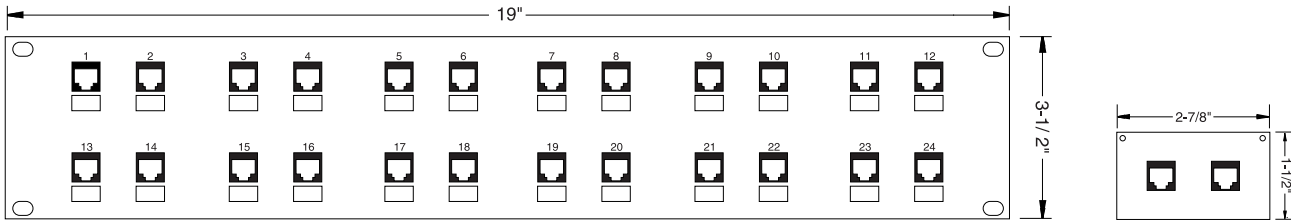


MADE IN THE USA



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<b>ELECTRICAL SPECIFICATIONS</b> (All specifications are subject to change without notice)	
PCH24-C5	
STD. CLAMP VOLTAGE	12 VOLTS
PEAK PULSE CURRENT 10/1000 us s.c. wave form @Vcl	97 AMPS
RESPONSE TIME	----- LESS THAN 5 NANoseconds -----
MAXIMUM SHUNT CAPACITANCE	<25pF



CONNECTOR TYPE	MODEL NUMBER
110 BLOCK TO RJ45	PCH24-C5
Replacement Module	MOD24-C5

## INSTALLATION

- Remove power to the unprotected equipment
- Mount the patch panel to your 19" relay rack using the supplied hardware
- Disconnect the incoming data lines from the equipment
- Attach the ground strap to your rack. The installer should confirm a proper rack to earth ground connection. Consult with an electrician if needed. Try to keep the resistance from the supplied fork terminal ground to the rack frame minimal. It is imperative that both the PCH24-C5 and the equipment to be protected are properly grounded for effective operation.
- Using a 110 punch down tool, install the cable "22-26 AWG wire" matching the color code on the 110 IDC (Insulation Displacement Contact)
- Maintain pair twist, up to point of termination, for maximum performance (untwist less than 0.5")
- Connect the patch panel to the equipment

### Note:

These protectors reset themselves after protecting equipment from surges. In the event that lightning or other extreme surge events have exceeded the maximum capability of the protector, these devices are designed to self-destruct in a "fail-safe" mode rather than allow damage to equipment. Installations often require a protector at each end of the data line (call our technical support group with any questions).

## CYLIX CIRCLE OF PROTECTION WARRANTY

The Cylix Corporation offers our "Circle of Protection" Warranty which includes a \$25,000 Connected Equipment Guarantee, 5 Year Replacement Program and a Limited Lifetime Warranty. This warranty applies only to serialized products registered with The Cylix Corporation and is subject to certain disclaimers and limitations. For a complete warranty statement, please contact The Cylix Corporation.