MCO4110—ANALOG STATION SET AND CENTRAL OFFICE LINE PROTECTOR

Features

- **Auto-Resetting Technology**—PTC resistors open when a surge occurs, protecting your equipment, but unlike other fusses, the PTCs close again once the surge passes. Less downtime, and less service calls.
- **Expandable System Protection—** towerMAX Series Base Units and Modules can be attached to expand system protection as your system grows.
- **Lifetime Product Warranty**—This surge protector shall be free of any defects in design, materials, or workmanship, or ITW Linx will repair or replace the defective product.
- **$50,000 Connected Equipment Warranty**—This ITW Linx product will protect your equipment or we will repair or replace it up to $50,000!
- AVAYA approved product:
  146J, 700209802

Technical Specifications

Designs and specifications are subject to change without notice due to product improvement.

Product Specifications:

Agency Approval	UL 497A (Secondary)
LED Indicators	N/A
Grounding Requirements	Uses Electrical AC ground, for use with towerMAX Series AC Base Units. See Technical Reference page 106–107 for additional grounding tips.
Recommended Ground Impedance	< 0.5 Ohm
Width	5.87"
Height	4.25"
Depth	1.5"
Weight	0.45 lbs
Product Warranty	Lifetime
Connected Equipment Warranty	Up to $50,000

For up-to-date warranty information see our web site: *ww.itwlinx.com*

AC Surge Protection:

SurgeGate Plus Circuitry	N/A
Protect or Disconnect Circuitry	N/A
Thermal Fusing	N/A
Catastrophic Surge Circuit	N/A
Over/Undervoltage Voltage Protection	N/A
Overvoltage Voltage Shutoff	N/A
Undervoltage Voltage Shutoff	N/A
Single Pulse Energy Dissipation	N/A
Peak Impulse Current	N/A
EMI/RFI Noise Filtration	N/A
Line Voltage	N/A
Initial Clamping Level	N/A
Clamping Level	N/A
Protection Modes	N/A
Maximum Current Rating	N/A
Response Time	N/A
Plug Configuration	N/A
Number of Outlets	N/A
Switched Outlets	N/A
Cord Length	N/A

Signal Line Surge Protection:

TELCO CIRCUIT PROTECTION

Signal Perfect Circuitry	Yes
Auto-Resetting PTCs	160 mA (8–10 Ohms)
Clamping Level	260V (T-R, T-G, R-G)
Response Time	1–5 Nanoseconds
Capacitance	< 50pF
Suppression Modes	Metallic & Longitudinal
Wires Protected	8-wires (4-pairs)
Termination Type	110 punchdown Input RJ-11/45 or 110 punchdown Output

COAX CIRCUIT PROTECTION

Signal Perfect Circuitry	N/A
Fuseless/Auto-Resettable	N/A
Response Time	N/A
Termination	N/A
Antenna/Cable Lines Protected	N/A
Antenna/Cable Clamping Level	N/A
Antenna/Cable Attenuation	N/A
Satellite Lines Protected	N/A
Satellite Clamping Level	N/A
Satellite Attenuation	N/A

LAN CIRCUIT PROTECTION

Signal Perfect Circuitry	N/A
Fuseless/Auto-Resettable	N/A
Performance Rating	N/A
Clamping Level	N/A
Response Time	N/A
Wires Protected	N/A
Termination Type	N/A

Signal Perfect™

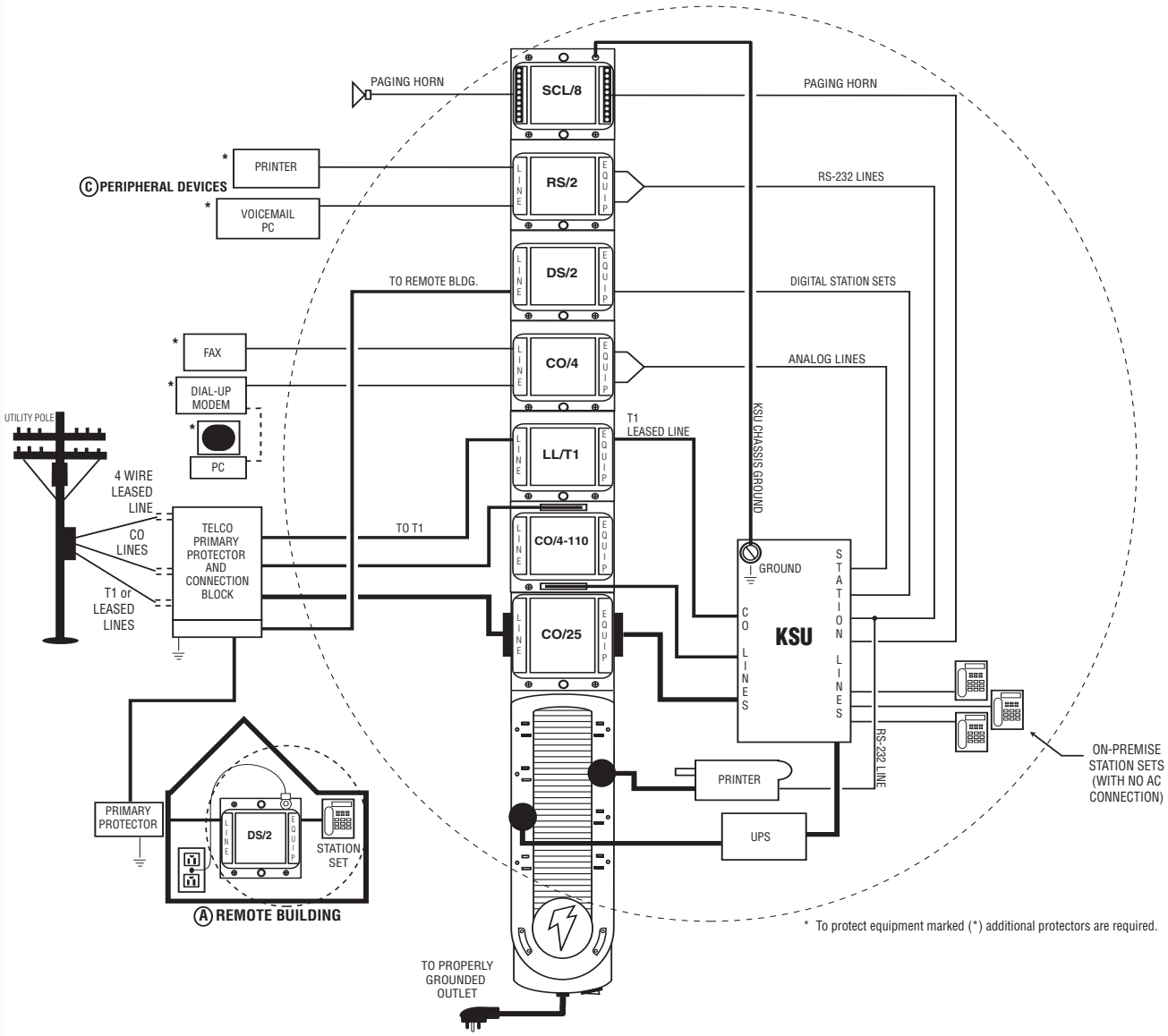
More information is available in the Technical Reference section of this catalog, turn to page 92.

Ordering Information

ITW Linx Part Number	Description
MCO4110	Protects up to 8-wires (4-pairs) using 110 punchdown block on the input and 110 punchdown block or four RJ-11 or two RJ-45 on the Output.

Applications:

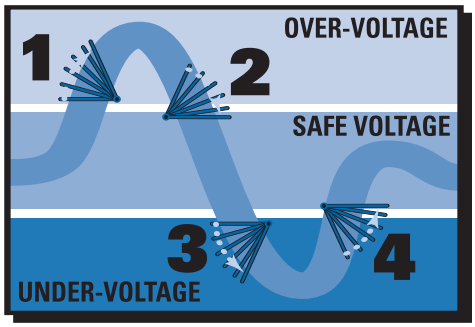
- Telephone Systems
- Fax Machines


PAGING HORN
SCL/8
PAGING HORN
PRINTER
RS/2
RS-232 LINES
VOICEMAIL PC
PERIPHERAL DEVICES
TO REMOTE BLDG.
DS/2
DIGITAL STATION SETS
FAX
CO/4
ANALOG LINES
DIAL-UP MODEM
PC
UTILITY POLE
LL/T1
T1 LEASED LINE
KSU CHASSIS GROUND
4 WIRE LEASED LINE
CO LINES
T1 or LEASED LINES
TELCO PRIMARY PROTECTOR AND CONNECTION BLOCK
TO T1
CO/4-110
GROUND
CO/25
KSU
CO LINES
STATION LINES
RS-232 LINE
ON-PREMISE STATION SETS (WITH NO AC CONNECTION)
PRINTER
UPS
PRIMARY PROTECTOR
DS/2
STATION SET
REMOTE BUILDING
TO PROPERLY GROUNDED OUTLET
* To protect equipment marked (*) additional protectors are required.

ITW LINX INNOVATIVE PROTECTION CIRCUITRY FEATURING:

SurgeGate Plus Circuitry

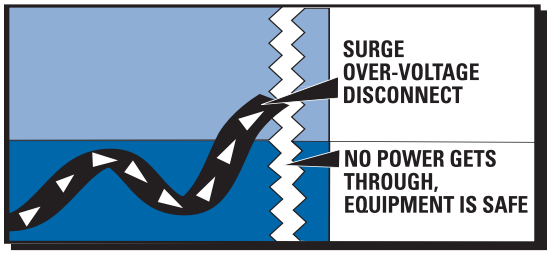
Protects against prolonged overvoltages and undervoltages by automatically disconnecting the power to your equipment, then reconnecting it when the power has returned to a safe level. This patented circuitry acts as a gate to prevent unsafe voltages from damaging sensitive equipment.



1.) Overvoltage **DISCONNECT**
2.) Safevoltage **RECONNECT**
3.) Undervoltage **DISCONNECT**
4.) Safevoltage **RECONNECT**

Protect or Disconnect Circuitry

Protects equipment against all surges. In the event of a catastrophic surge such as lightning, it completely disconnects AC power to the connected equipment and to the protector.



Signal Perfect Circuitry

Auto-resetting surge protection for data networks, telephone and coax lines. This optimized circuitry ensures a clean, clear signal and features solid-state suppressors for maximum protection and reliability.