# Universal Voltage GMT Fuse Panels

## Power :: Multiple GMT Fuse Panel Configurations and Options

## Overview

Amphenol Network Solutions GMT fuse panels include a comprehensive range of options and standard configurations to fit virtually any low-current power distribution application.



Fig. 1: GMT10 Front View

Each panel allows up to 60A or 100A input connections enabling increased power distribution for equipment. Panels support 20A maximum fuse positions to handle a wide range of equipment and universal operating voltage (±24 to -48 VDC) which means they fit any network environment – from traditional central offices to customer premise and wireless applications.

Choose from 10- or 20-position panels. Individual fuses mount adjacent to each other in thermally isolated fuse holders.



Fig. 2: GMT10-BLK Front View

## Primary Benefits

- Universal voltage (±24 to -48 VDC) enables standardization on a single part number for multiple voltages
- Bay alarm as standard feature for either major or minor alarms within equipment rack
- Up to 20A fuses for distribution to a variety of network elements
- GMT fuse holders mounted for downward trip indication to provide easy identification and detection of blown fuses
- Staggered output terminal blocks facilitate "waterfall" cable management

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- UL and NEBS compliant to ensure industry-standard safety and functional requirements
- Form C relay contacts provide reliable alarm connections
- Integrated designation pin holder for simple power identification
- Fail alarm LEDs clearly indicate fuse and power failures
- Clear, flame-retardant polycarbonate cover (94V-0) protects input and output power connectors and wiring from damage
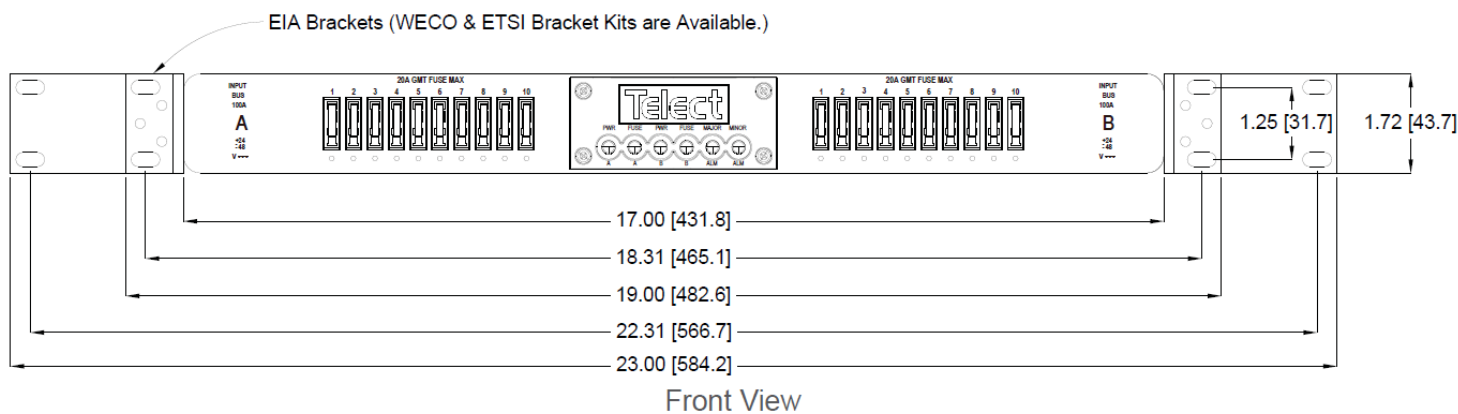
## Applications

- Wireless
- Central office
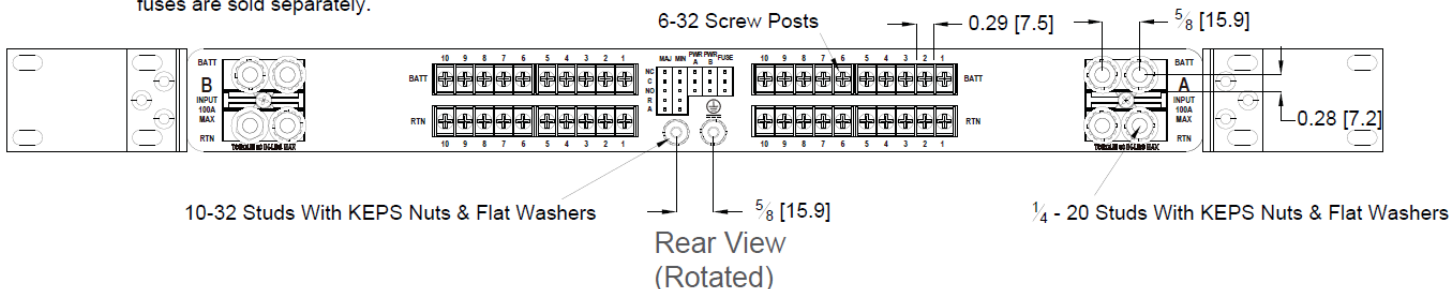- Co-location
- Remote sites
- Secondary distribution



Fig. 3: GMT10 Rear View

## Typical dimensions for GMT10x and HPGMT20S



EIA Brackets (WECO & ETSI Bracket Kits are Available.)

1.25 [31.7]     1.72 [43.7]

17.00 [431.8]
18.31 [465.1]
19.00 [482.6]
22.31 [566.7]
23.00 [584.2]

Front View

NOTES: 1. All dimensions are in in. [mm].
2. Panel includes phoney fuses. Actual fuses are sold separately.

6-32 Screw Posts     0.29 [7.5]     ⅝ [15.9]

0.28 [7.2]

10-32 Studs With KEPS Nuts & Flat Washers     ⅝ [15.9]     ¼ - 20 Studs With KEPS Nuts & Flat Washers

Rear View (Rotated)

## Specifications

| Dimensions | |
|---|---|
| Width<br>All except HPGMT20<br>HPGMT20 | <br>17" (431 mm)<br>21" (533 mm) |
| Height | 1.75" (45 mm)<br>Front access panels: 3.5" (89 mm) |
| Depth | 12" (305 mm) |
| **Mechanical** | |
| Weight | 9 lbs. (4.1 kg) |
| Material | Cold-rolled steel |
| Color<br>All except xxxx-BLK<br>GMT10-BLK & HPGMT10-BLK | <br>White<br>Black |
| Finish | Powder coat |
| Mounting<br>All except HPGMT20<br>HPGMT20 | <br>19" or 23"<br>23' only |
| **Electrical** | |
| Nominal voltage | ± 24 to -48 VDC |
| Input rating<br>HPGMTxx<br>GMTxx | <br>100A per bus<br>60A per bus |
| Maximum input interrupt device | 125A for 100A panels<br>75A for 60A panels |
| Maximum output protection device | 20A |
| Power dissipation (full load) | Less than 1% |
| **Environmental** | |
| Temperature | -5° to 55°C |
| Humidity | 0 to 90%, non-condensing |
| **Connections** | |
| Input terminals | Dual stud, 1/4" on 5/8" centers for 100A input panels; screw clamp for 60A input panels |
| Output terminals | Screw terminal, #6 |
| Chassis ground | Dual stud, #10 on 5/8" centers |
| **Alarms** | |
| Alarm indicators | Power, fuse alarms |
| Alarm type | Form C |
| Alarm connector | 0.045" square pin |
| Relay contact ratings | 0.6A at 48 VDC; 1A at 120 VAC |
| Agency compliance | NEBS 3, UL CUL |

## Ordering Information

| Features | GMT10 & GMT10-BLK | HPGMT10-BLK | HPGMT20 | HPGMT20S |
|---|---|---|---|---|
| 60A Max. Input | X | | | |
| 100A Max. Input | | X | X | X |
| 20A Max. Fuse Position | X | X | X | X |
| Universal VDC | X | X | X | X |
| Dual Bus | X | X | X | |
| Single Bus | | | | X |
| Fuse Position per Feed | 10 | 10 | 20 | 20 |
| Rack Units | 1 | 1 | 1 | 1 |
| Width | 19" | 19" | 23" | 19" |
| Stud Input | | X | X | X |
| Screw Clamp Input | X | | | |
| Bay Alarm | X | X | X | X |

Standard color is white. GMT10-BLK and HPGMT10-BLK are black. Order fuses separately.

| Amperage | GMT Fuses | Designation Pins |
|---|---|---|
| 18/100A | 130781 | 102435-21 (yellow) |
| 1/4A | 100151 | 102435-2 (violet) |
| 1/2A | 004001 | 102435-5 (red) |
| 3/4A | 004008 | 102435-7 (brown) |
| 1A | 100991 | 102435-8 (gray) |
| 1-1/3A | 004006 | 102435-9 (white) |
| 1-1/2A | 004011 | 102435-10 (white/yellow) |
| 2A | 004002 | 102435-11 (orange) |
| 3A | 004012 | 102435-13 (blue) |
| 3.5A | 130782 | 102435-14 (white/blue) |
| 4A | 004013 | 102435-15 (white/brown) |
| 5A | 004014 | 102435-16 (green) |
| 7-1/2A | 004010 | 102435-17 (black/white) |
| 10A | 004015 | 102435-18 (red/white) |
| 12A | 102287 | 102435-19 (yellow/green) |
| 15A | 102288 | 102435-20 (red/blue) |
| 20A | 127240RC | 102435-22 (green/white) |
| 20A with cover | 131340 | 102435-22 (green/white) |
| **Additional Items** | | **Part Number** |
| Dummy fuse | | 132748 |
| Fuse safety cover | | 116915 |
| **Input and Ground Compression Lugs** | | |
| #1 AWG, kit of 2 | | 06117-13 |
| #2 AWG, kit of 2 | | 06117-02 |
| #4 AWG, kit of 2 | | 06117-04 |
| #6 AWG, kit of 2 | | 06117-01 |
| #8 AWG, kit of 2 | | 06117-11 |
| **Output Ring Terminals, #6-32** | | |
| #8 AWG, kit of 2 | | 06122-04 |
| #10-12 AWG, kit of 10 | | 06122-06 |
| #14-16 AWG, kit of 10 | | 06122-01 |
| #18-22 AWG, kit of 10 | | 06122-02 |