

MFT-30/40 Telephone Panel Insert

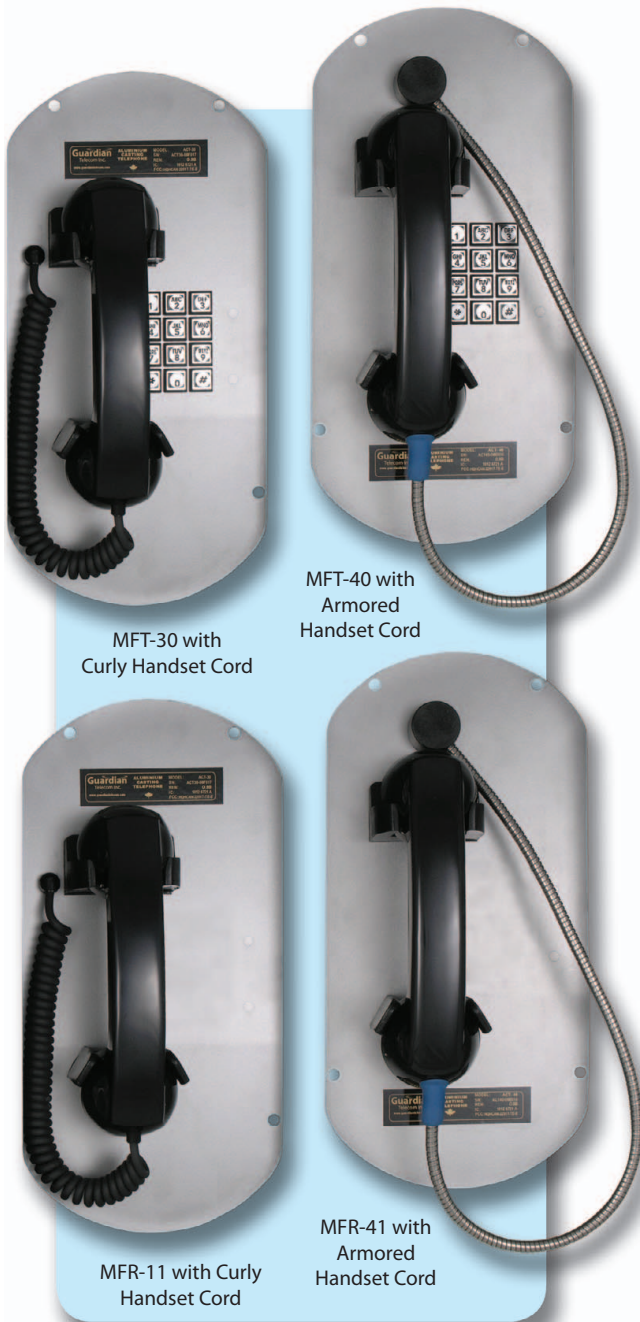
MFR-11/41 Ringdown Telephone Panel Insert

FEATURES and BENEFITS

- Replaces inserts in Northern Telecom Weatherproof sets
- Magnetic reed hook switch to reduce parts subject to wear
- Metal keypad or ringdown operation
- Encapsulated circuitry impervious to water and dust
- Simple field installation
- Water proof connections & stainless steel fittings for longer life
- Fits standard and locking enclosures

INSTALLATION and CONNECTABILITY

Guardian Telecom's MFT Telephone Panel Inserts and MFR Ringdown Telephone Panel Inserts are designed specifically to fit the Northern Telecom Weatherproof Telephone Set, (NT9G60 AA through NT9G60 AD). Inserts contain standard telephone wiring and parts and are compatible with the telephone network. Initial tone/pulse setting is performed prior to delivery. In-service switching may require technical assistance. Calls from the model MFR are routed by PBX programming or an optional internal auto-dialer.



MFT-30 with
Curly Handset Cord

MFT-40 with
Armored
Handset Cord

MFR-11 with Curly
Handset Cord

MFR-41 with
Armored
Handset Cord

Guardian Telecom's MFT & MFR Telephone Panel Inserts have been designed to replace the electronic components in older models of Northern Telecom weatherproof telephone sets which are already installed in field locations.



For locking enclosures
the MFT-30N & MFR-11N
are notched insert versions
of the MFT-30 & MFR-11

MFT-30N

MFR-11N

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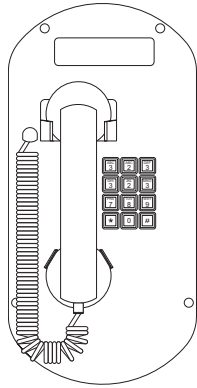
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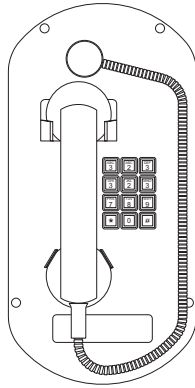
Disclaimer

Northern Telecom and NT logotype are trademarks of Northern Telecom Inc. and are used solely to identify their weatherproof telephone. Use of the name and trademark does not imply Northern Telecom's endorsement or approval of this product. Establishment of specifications, operation and warranty of the product are the sole responsibility of Guardian Telecom Inc.

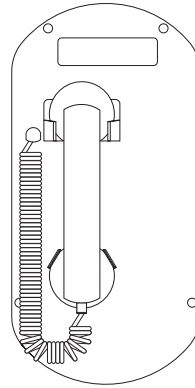
OVERALL DIMENSIONS



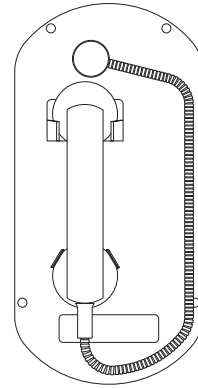
MFT-30
Telephone Panel Insert
with Volume Control and
Curly Handset Cord



MFT-40
Telephone Panel Insert
with Volume Control and
Armored Handset Cord



MFR-11
Ringdown Panel Insert
with Volume Control
Handset and Curly Cord



MFR-41
Ringdown Panel Insert
with Volume Control
Handset and Armored Cord

MFT-30/40 Telephone Panel Inserts / MFR-11/41 Ringdown Telephone Panel Inserts

ENGINEERING SPECIFICATIONS

ELECTRICAL PERFORMANCE

Audio Range Frequency Response	300 - 3400 Hz
Dialing Method (MFT-30/40)	DTMF or 40/60 Pulse @10 PPS
Transmit Objective Loudness Rating (TOLR)	Nominal -41 +/- 4 dB
Receiver Volume Adjustment	3 Steps Up / 2 Steps Down 8.1dB +/- 5.1 dB
Receiver Objective Loudness Rating (ROLR)	Nominal 52 +/- 3 dB
- receiver volume at maximum	41.9 +/- 3 dB
- receiver volume at minimum	55.4 +/- 3 dB
Side Tone Objective Loudness Rating (SOLR)	Nominal -11 +/- 4 dB
- receiver volume at maximum	7 +/- 4 dB
- receiver volume at minimum	14 +/- 4 dB
Ringer Output	>75 dB
FCC Ringer Equivalence	0.8 B
Set Impedance	600 Ohms Nominal
Maximum Loop	15Kft (~4,600m) of 22 AWG Wire

ELECTRICAL REQUIREMENTS

Ringer Sensitivity	40 -100 V, 16 - 25 Hz
Line Voltage	24 - 56 VDC
Loop Current	20 - 120 mA
Connection Method	Surge Arrestor

MECHANICAL SPECIFICATIONS

Hook Switch (Cradle Switch) Life	>1 000 000 Operations
Faceplate Construction	16 Ga Mild Steel
Finish	Zinc Dichromate Plated & Powder Coated
Shipping Weight	4.5 lbs (2.0 kg)
Shipping Dimensions (L x W x D)	15.0" x 5.0" x 11.5" (381 x 127 x 293 mm)
Hand Set Construction	High Impact ABS
Microphone	Noise Reducing Electret
Receiver	Hearing Aid Compatible
Hardware Material	Stainless Steel

ENVIRONMENTAL

Temperature	-76° to +176°F (-60° to +80°C)
Humidity	0 - 95% RH Non-Condensing
Dust & Corrosion Resistant	Fully Gasketed Faceplate

COMPLIANCE

Environmental Survivability (Circuit Panel Only)	MIL-STD-810E
Industry Canada	1012-6721A
FCC	HQHCAN-22517-TE- E

ORDERING INFORMATION

Warranty: One year parts and labor

Order Number	Description
P5426	MFT-30 Metal Faceplate Telephone Panel Insert/Metal Keypad/ Volume Control Handset/Curly Cord – (replaces Northern Telecom Product NT9G0AA)
P5427	MFT-40 Metal Faceplate Telephone Panel Insert/Metal Keypad/Volume Control Handset with Armored Cord
P5428	MFR-11 Metal Faceplate Ringdown Panel Insert/Volume Control Handset/ Curly Cord – (replaces Northern Telecom Product NT9G0AB)
P5429	MFR-41 Metal Faceplate Ringdown Panel Insert/Volume Control Handset/ Armored Cord
P5430	MFT-30N Notched MFT-30 insert
P5431	MFR-11N Notched MFR-11 insert
<i>Options</i>	
AD	Auto-dialer

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Guardian pursues a policy of continuous improvement, therefore specifications are subject to change without notice.

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