

Patent Pending

DMDPCO

DMDPCO-10

Digital Phone Connect Solutions

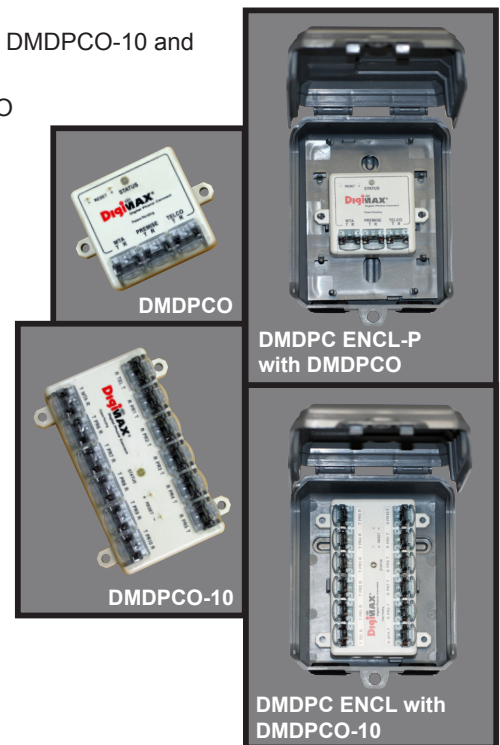
Outdoor Digital Phone Connect Single-Shot Switch (DMDPCO / DMDPCO-10):

General Overview:

- ▶ The Outdoor Single-Shot Switch Solution provides a one time switch-over from incumbent Telco to MTA-based service
- ▶ Accommodate local number portability (LNP) without any customer down time
- ▶ Avoid a second truck roll for subscribers requesting a digital phone offering in the future by installing the DMDPCO when high-speed data service is initially provisioned
- ▶ Unique design minimizes false triggering due to noise picked up on premise wiring
- ▶ Outdoor hardened design allows technicians to install the DMDPCO in the Telco NID, existing CATV enclosure or standalone enclosure
- ▶ IDC connectors allow technicians to easily make quick connections without the requirement for any tools
- ▶ DMDPCO-10 features 10 additional IDC connectors for fast & easy connection of up to 10 "home run" circuits
- ▶ Switch reset functionality allows for re-deployment of product into other applications
- ▶ DMDPC ENCL outdoor enclosure comes with snap in tabs for both the DMDPCO and DMDPCO-10 and features two ports, secure hinged cover, & UV stabilized polymer
- ▶ DMDPC ENCL-P includes an additional mounting plate to accommodate the DMDPCO with up to two bridged IDC connector blocks*

DMDPCO / DMDPCO-10 Single-Shot Switch Specifications

SPECIFICATIONS	
IMPLEMENTATION REQUIREMENTS	
MTA CROSS CONNECT REQUIREMENT	See MTA Cross Connect Wiring Diagram
INPUT	
DC LINE VOLTAGE	22 - 60 VDC (on R/G of MTA port)
POWER UP TIME⁽¹⁾	30 seconds max
QUIESCENT CURRENT	500 uA max
OPERATION	
MTA RING DETECTION	40 VAC to 115 VAC
SWITCH TO MTA	Within 1 Ring Cycle
MTA STATUS INDICATION	LED Flashing Red = MTA Connected & Powered, Initial Install Mode, Switch in TELCO position LED Flashing Green = MTA Connected & Powered, Intercom Mode, Switch in MTA position LED Off = MTA Not Connected/Powered or off hook voltage too low
DEVICE RESET	9 VDC applied across reset terminals
OTHER	
TEMPERATURE	-40°C to +60°C (-40°F to +140°F)
SWITCH ISOLATION	1000 Mohm @ 500 VDC applied for 1 minute 1500V Longitudinal, 800V Metallic
SURGE WITHSTAND	IEEE CAT C62.41 Combination Wave on all ports & in both switch positions
MOISTURE RESISTANCE	70 Gohms, per MIL-I-46058C
NOTE: (1) Switch unit charge up time before entering operational state.	



Inside Dimensions:

4.87"H x 3.87"W x 1.75"D
(12.37H x 9.83W x 4.45D cm)

NOTICE: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

NOTICE: The Ringer Equivalence Number (REN) for this terminal equipment is 0.0. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

This device complies with FCC Part 68 and IC CS-03 rules
US: ATXAD00BDMDPC
IC: 8993A-DMDPC
REN: 0.0B

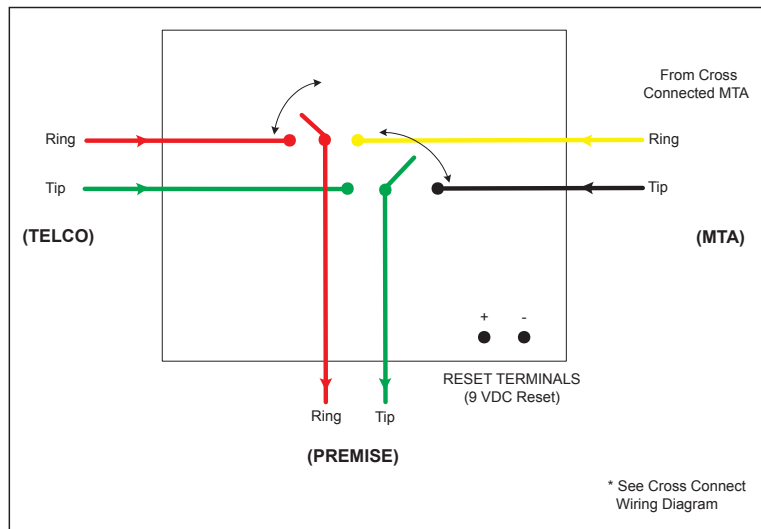
* IDC Connector Blocks not included and are typically customer supplied.

Outdoor Digital Phone Connect Single-Shot Switch (DMDPCO / DMDPCO-10):

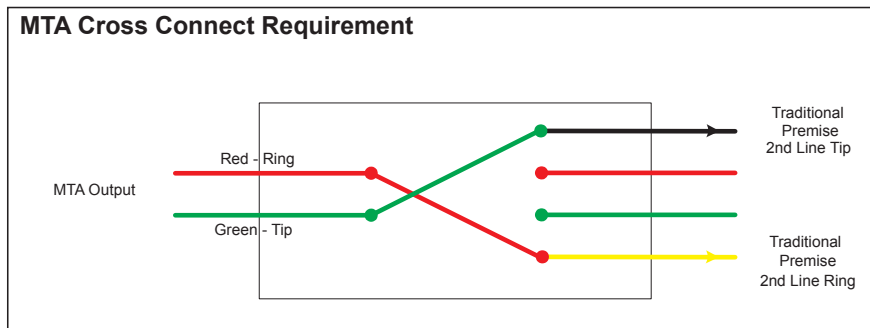
Ordering Information

Part Number	Description
DMDPCO	Digital Phone Switch - Outdoor
DMDPCO-10	Digital Phone Switch - Outdoor with 10 IDC Connectors
DMDPC ENCL	Outdoor Enclosure for Outdoor Digital Phone Switch
DMDPC ENCL-P	Outdoor Enclosure with Mounting Plate for Outdoor Digital Phone Switch

Device Functional Schematic

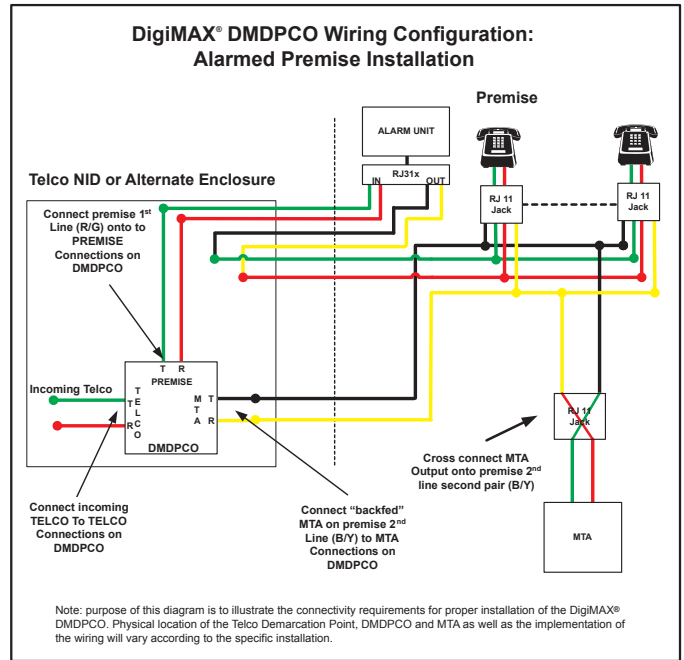
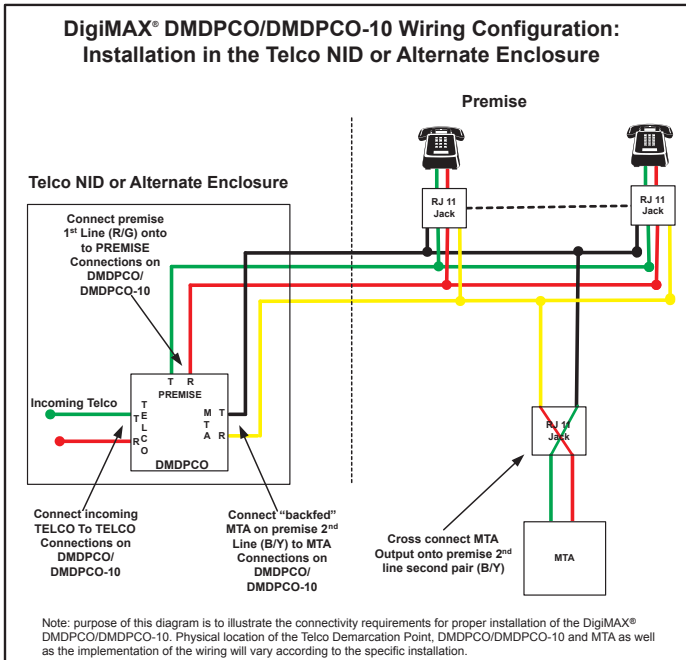


MTA Cross Connect Wiring Diagram



Outdoor Digital Phone Connect Single-Shot Switch (DMDPCO / DMDPCO-10):

Installation / Wiring Configuration Information



Installation Instructions:

1. Cross connect MTA to premise 2nd line pair so that it can be "backfed" to the DMDPCO / DMDPCO-10. (See MTA Cross Connect Wiring Diagram, pg.2)
2. Connect the 2nd line pair carrying the "backfed" MTA to the MTA connection on the DMDPCO / DMDPCO-10.
3. Connect incoming Telco to TELCO connection on DMDPCO / DMDPCO-10.
4. Connect Premise 1st line pair to the PREMISE connection on the DMDPCO / DMDPCO-10. Note: the DMDPCO / DMDPCO-10 must be positioned to ensure that it is primary source of the premise 1st line pair.
5. Ensure MTA is powered.
6. After approximately 30 seconds for the DMDPCO / DMDPCO-10, the LED will start to flash red indicating that the MTA is connected and the device is ready for operation.
7. **After device installation, ensure Telco dial tone is present before leaving subscriber premises.**
8. Device Reset: apply 9V DC across RESET terminals on DMDPCO / DMDPCO-10 (designed to utilize 9V battery).

Outdoor Digital Phone Connect Single-Shot Switch (DMDPCO / DMDPCO-10):

Outdoor Enclosure (DMDPC ENCL(-P)) Configurations



DMDPC ENCL



DMDPC ENCL /
DMDPC ENCL-P



DMDPC ENCL-P



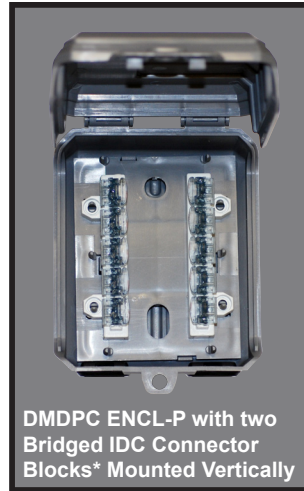
DMDPC ENCL-P with
DMDPCO



DMDPC ENCL with
DMDPCO-10



DMDPC ENCL-P with
DMDPCO & two Bridged
IDC Connector Blocks*



DMDPC ENCL-P with two
Bridged IDC Connector
Blocks* Mounted Vertically

* IDC Connector Blocks not included and are typically customer supplied.



Specifications subject to change without notice.

