



Patent Pending

DMDPC

Digital Phone Connect Solutions

Indoor Digital Phone Connect Single-Shot Switch (DMDPC):

General Overview:

- ▶ The DMDPC Indoor Single-Shot Switch Solution provides a one-time switchover from incumbent Telco to MTA-based service
- ▶ Accommodate local number portability (LNP) without any customer downtime
- ▶ Avoid a second truck roll for subscriber requesting a digital phone offering in the future by installing the DMDPC when high-speed data service is initially provisioned
- ▶ Unique design minimizes false triggering due to noise picked up on premise wiring
- ▶ Unique configuration in a wall or table mount unit provides a clean installation into subscriber premises
- ▶ Third RJ11 jack accommodates local phone hookup
- ▶ Switch reset functionality allows for redeployment of product into other applications
- ▶ NOTE: cross connect wiring required at Telco demarcation point (see Telco Cross Connect Wiring Diagram, pg.2)

DMDPC Single-Shot Switch Specifications

| SPECIFICATIONS | DMDPC |
|---|---|
| IMPLEMENTATION REQUIREMENTS | |
| CROSS CONNECT AT TELCO DEMARCATION | See 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 CONNECTED AND POWERED INDICATION | Flashing Green LED |
| DEVICE RESET | 9 VDC applied across Y/B of phone jack |
| OTHER | |
| TEMPERATURE | -40°C to +60°C (-40°F to +140°F) |
| HUMIDITY | 5-95% (without condensation) |
| SWITCH ISOLATION | 1000 Mohm @ 500 VDC applied for 1 minute |
| SURGE WITHSTAND | 1500V Longitudinal, 800V Metallic IEEE CAT C62.41 Combination Wave on all ports & in both switch positions |
| DIMENSIONS | 3.15"H x 2.35"W x 1.03"D (8.0H x 6.0W x 2.6D cm) |
| WEIGHT | 0.14 lbs (0.07 kg) |
| NOTE: (1) Switch unit charge up time before entering operational state. | |



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.

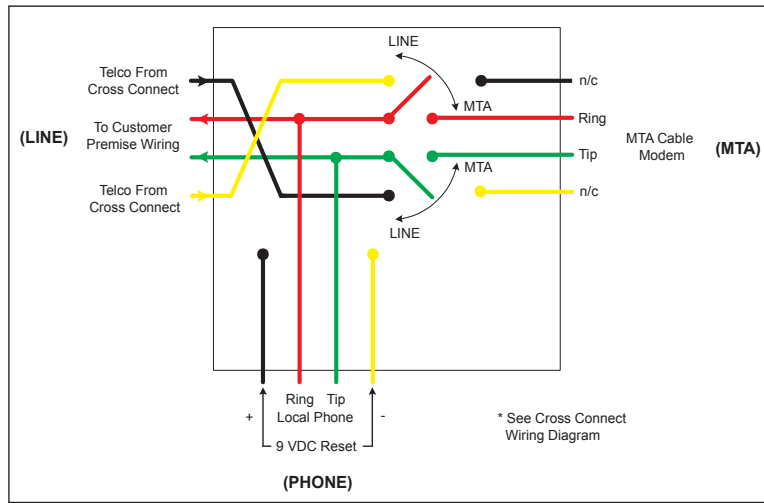
This device complies with FCC Part 68 and IC CS-03 rules
 US: ATXAD00BDMMDPC
 IC: 8993A-DMDPC
 REN: 0.0B

Ordering Information

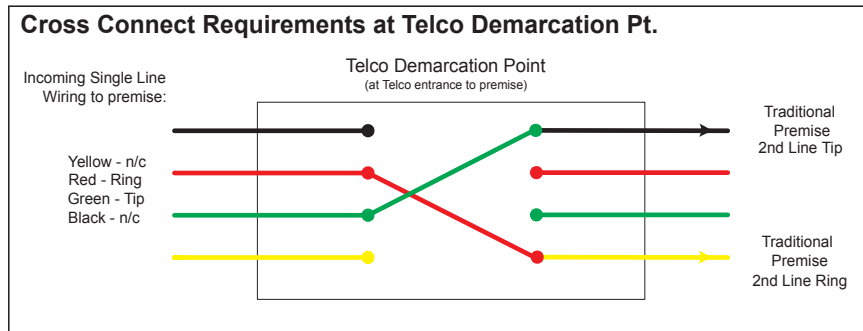
| Part Number | Description |
|-------------|------------------------------|
| DMDPC | Digital Phone Connect Switch |

Indoor Digital Phone Connect Single-Shot Switch (DMDPC):

Device Functional Schematic

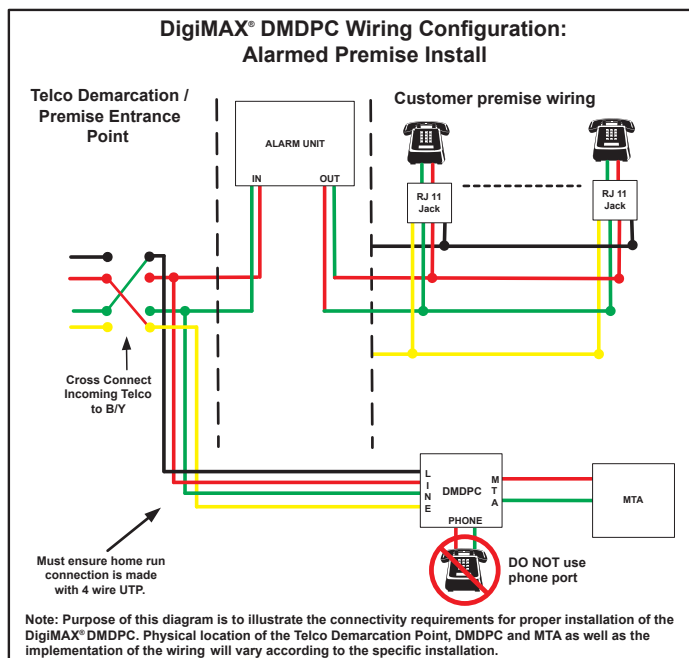
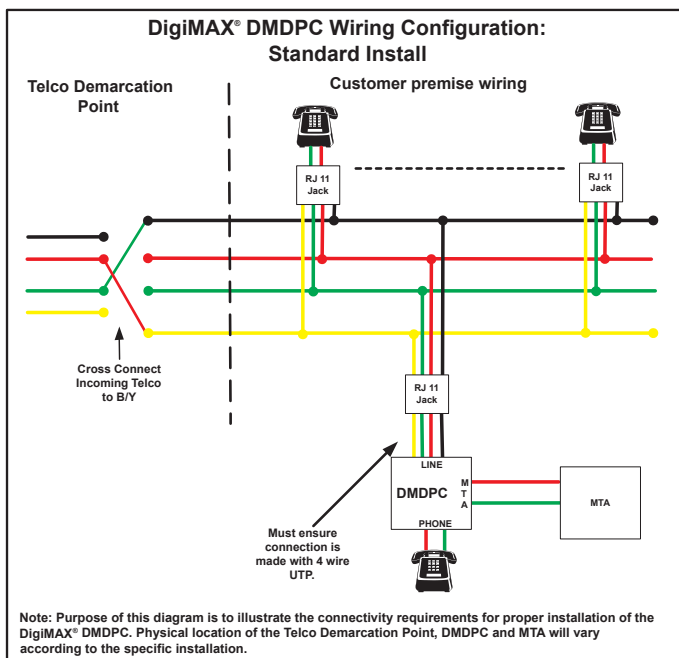


Telco Cross Connect Wiring Diagram



Indoor Digital Phone Connect Single-Shot Switch (DMDPC):

Installation / Wiring Configuration Information



Installation Instructions:

NOTE: For proper operation, device must be mounted to a stable surface using screw-down tabs.

1. Cross connect wiring at appropriate Telco demarcation point (see Telco Cross Connect Wiring Diagram, pg.2).
2. Using 4-wire UTP, connect Line port of the Digital Phone Connect (DMDPC) to premise wiring. Any RJ11 jack in premise can be used provided continuity has been assured.
3. Ensure DMDPC is Reset. See reset instruction in #8 below.
4. Connect Output of MTA to MTA port on the DMDPC.
5. Ensure MTA is powered.
6. After approximately 30 seconds for the DMDPC, the LED will start to flash indicating that the MTA is connected and the device is ready for operation.
7. Connect phone to Phone port of DMDPC if desired.
8. **After device installation, ensure Telco dial tone is present before leaving subscriber premises.**
9. **RESET:** reset by applying 9 VDC across the B(+)/Y(-) of the Phone port on the DMDPC.

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Specifications subject to change without notice.

