



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 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 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 hook-up
- ▶ Switch reset functionality allows for re-deployment 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)
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
NOTE: (1) Switch unit charge up time before entering operational state.	



DMDPC

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.

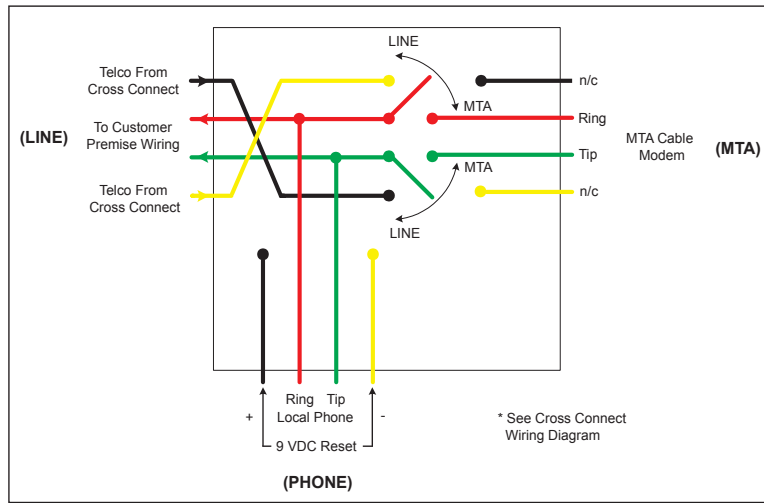
This device complies with FCC Part 68 and IC CS-03 rules
 US: ATXAD00BDMDPC
 IC: 8993A-DMDPC
 REN: 0.0B

Ordering Information

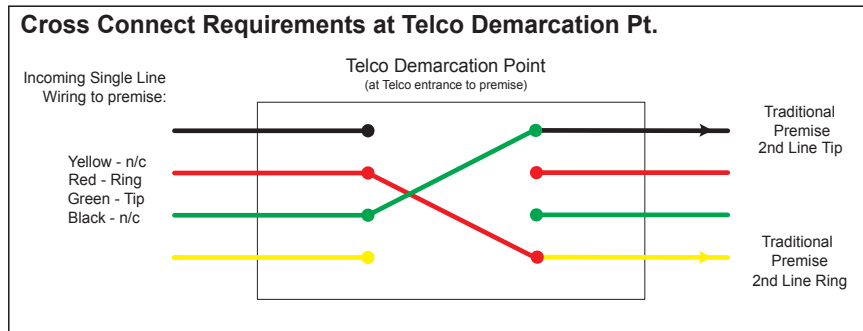
Part Number	Description
DMDPC	Digital Phone Connect Switch

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

Device Functional Schematic

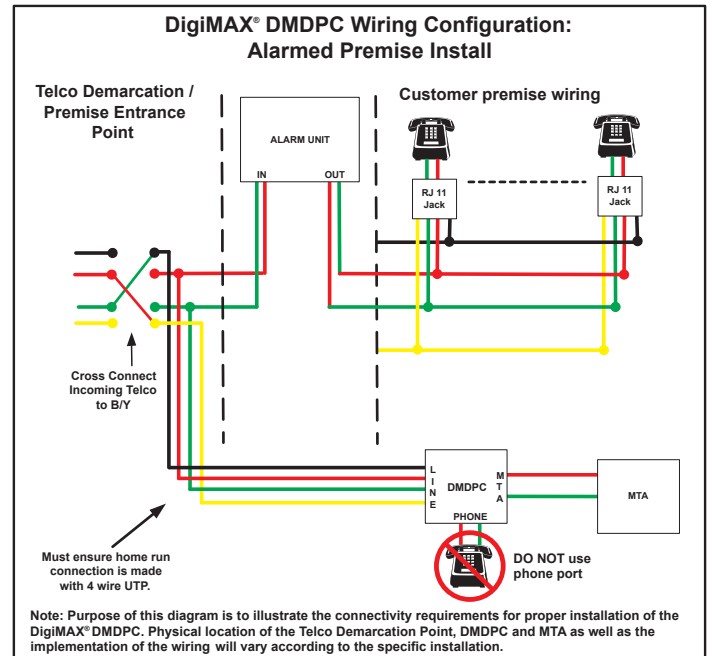
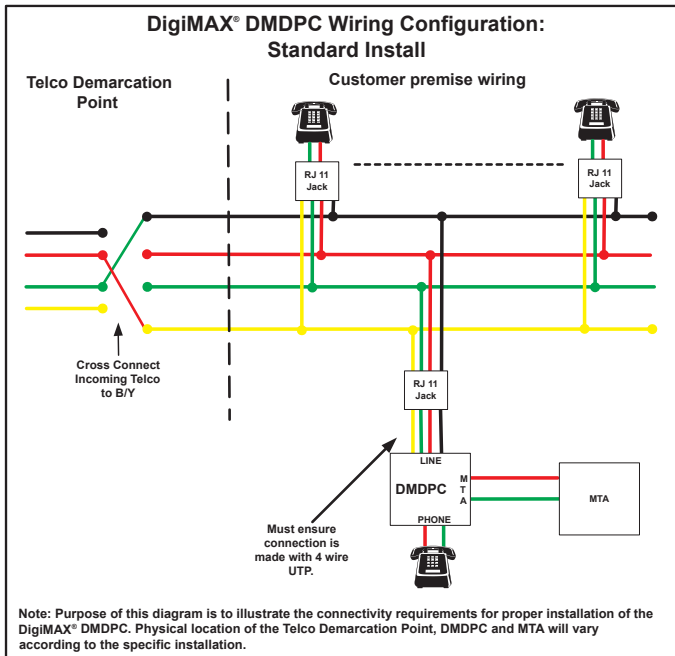


Telco Cross Connect Wiring Diagram



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.

