

Series 86C Interfacing to a Doorking 1812 Residential Telephone Intercom / Access Control System

1. Overview

The block diagram below illustrates the basic connections between the AFI Series 86C POTS fiber interface and the Doorking 1812 Residential Telephone Intercom / Access Control System.

The Doorking 1812 should be setup for “intercom mode” and the Doorking “phone out” terminals are connected to the MR-86C.

The TBB-1B Talk Battery Booster may be needed if the resulting voltage open circuit voltage is less than 48Vdc. AFI’s MT-86C will provide ~ 24Vdc open circuit at the Line In.

A contact channel is also available on the Series 86C which may be used for gate/access control. Closure of the “Contact In” at the MT-86C results in a relay closure at the MR-86C “Contact Out”. The relay output ratings are 200 Volts DC/peakAC and 0.5 Amps DC/peakAC .

2. Detail

