



2 Cond 22 AWG
Belden 8740 or
equivalent

1" Concealed
Door Contact

Maglock

Door contact
magnet

Twisted pair 4 pair
Cat5 100BASE T or Better

VAX-DRYMOD External
Relay 120V @ 2A

Maglock power
supply located
with Access
Control Equipment

Maglock
power
supply
GFI

N / C
Building
Fire Panel

N / C

FIRE

1 x 2 cond
18 AWG
Belden 9740
or
Equivalent

6 Cond stranded
not twisted overall
shielded 22 AWG
Belden 9537 or
Equivalent

Notes:

In this drawing, external power is keeping the mag-lock* locked. Power flows through N/C relay at Fire Panel and through an VAX-1D1R N/C Dry contact mod module placed upon the 12V wet lock Output (120v, 2A limit) and through a Fire Pull Switch. At anytime the Fire Panel or the Fire Pull Switch can drop the mag-lock*
If the VAX-1D1R loses power or is performing a firmware update, the Mag-Lock will remain secure.

* A Fail-safe, fire rated Door Strike can be used in place of a mag-lock

Name	Maximum Distance	Cable Type	Code
POE Cable**	100 m (328')	twisted pair, 4 pairs	Cat5 100BASE-T or better
Reader Cable	152 m (500')	6 conductor stranded not twisted, 24 AWG or thicker, 100% overall shielded	Belden 9537 or equivalent
Door Strike Cable	152 m (500')	2 conductor stranded 18 AWG	Belden 9740 or equivalent*
Output Cable	152 m (500')	2 conductor stranded 22 AWG	Belden 8740 or equivalent*
Input Cable	152 m (500')	2 conductor stranded 22 AWG	Belden 8740 or equivalent*



Site:	VAX-1D1R with Fire Panel: External Power with Dry Contact mod
Drawing Type:	Fire Panel dropping External Power
Drawn By:	Rev: