General Contractors

Tormax iMotion ®
TN 110 In-Floor Swing Door Operator

Installation/Facilitation Guidelines

Offset Pivot Application
Right Hand Operator w/Surface Mounted Box

Table of Contents

Precautions/Warning 1-2
Prep Work/Removal 3-5
Installation 6-7
DOOR FABRICATION DETAILS

NOTES:
(1) "**" - INDICATES COMPONENT IS JOB SPECIFIC OR OPTIONAL

- CONTROL BOX
- JAMB
- *FUNCTION CONTROL PANEL*
- *PIVOT COVER*
- OPERATOR
- BOX
- 110 VAC
  15 AMPS MIN
  50-60 HZ

RIGHT-HAND OFFSET PIVOT

TORMAX USA Inc.
DOOR FABRICATION DETAILS

NOTES:
(1) "***" INDICATES JOB SPECIFIC DIMENSION.
(2) DIMENSIONS AS SHOWN ARE TYPICAL. ENGINEERED SOLUTIONS AVAILABLE.

DRILL & TAP M8X1.25, X 1" (5 PLACES) OR INSTALL 5X THREADED INSERT WITH M8X1.25 THREADS

NOTCH JAMB IF REQUIRED-TBD

OFFSET PIVOT APPLICATION

RIGHT-HAND OPERATOR WITH OFFSET PIVOT APPLICATION

SCALING FOR CLARITY

VIEW: DOOR BOTTOM
**ELECTRICAL DETAILS**

**NOTES:**

1. "* * " - INDICATES COMPONENT IS JOB SPECIFIC OR OPTIONAL

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**RIGHT-HAND OFFSET PIVOT**

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**TORMAX USA Inc.**
ELECTRICAL DETAILS

NOTES:
(1) "**" INDICATES JOB SPECIFIC. CONSULT GC FOR FURTHER DETAILS.
(2) REF NEXT PAGE (ELECTRICAL DETAILS, SHT 3) FOR WIRING DETAILS.
(3) REF TN110 OPERATION MANUAL (P/N: US801461) FOR ADDITIONAL INFORMATION.
(4) INSTALLATION AND WIRING PRACTICES MUST COMPLY WITH LOCAL CODES.

KEY

- ACCESSIBLE HOLE FOR WIRING
- NOT ACCESSIBLE

LINBUS CABLE 75'-0"
SUPPLIED BY TORMAX

TN110 CONTROL BOX

110V AC (IN)
10 AMPS

24V DC TO ACT.
SWITCHES

†FUNCTION CONTROL PANEL†

ENCODER CABLE

MOTOR CABLE

TO TN110 OPERATOR

Ø MAX. 1-5/16"

Ø MIN. 15/16"
PIT PREPARATION DETAILS

NOTES:
(1) " " " " - INDICATES COMPONENT IS JOB SPECIFIC OR OPTIONAL

TORMAX USA Inc.
BOX / OPERATOR LOCATION TOLERANCES

PIT PREPARATION DETAILS

NOTES:
(1) ENSURE PROVISIONS FOR WEEP DRAIN AND ELECTRICAL WIRING HAVE BEEN MADE PRIOR TO FILLING THE PIT WITH MORTAR.
(2) WEEP DRAIN MUST BE INSTALLED OR MANUFACTURER’S WARRANTY WILL BE VOID.
(3) WEEP DRAIN HARDWARE TO BE PROVIDED BY GC. WEEP DRAIN INSTALLATION & LOCATION OF TERMINATION MUST COMPLY WITH CITY AND/OR STATE CODES.

** JOB SPECIFIC DIMENSION

PIT DIMENSIONS
19-3/4"L x 17-3/4"W x 5-1/2"D

ALIGN TOP OF BOX EVEN WITH FINISHED FLOOR

COVER ANY UNUSED HOLES PRIOR TO POURING MORTAR

INSTALL WEEP DRAIN IN EITHER HOLE

SECURE BOX TO FLOOR (HARDWARE BY OTHERS)

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** JOB SPECIFIC DIMENSION

KEY

FINISHED FLOOR
POSSIBLE WEEP DRAIN
OPERATOR SHAFT

RIGHT-HAND OPERATOR WITH OFFSET PIVOT APPLICATION