General Contractors

Tormax iMotion ®
TN 110 In-Floor Swing Door Operator

Installation/Facilitation Guidelines

Offset Pivot Application
Right Hand Operator w/Flush Mounted Box

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DOOR FABRICATION DETAILS

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

110 VAC
15 AMPS MIN
50-60 HZ

CONTROLS BOX

*JB*

*JB*

*FUNCTION CONTROL PANEL*

*PIVOT COVER*

DOOR

OPERATOR

CONTROL BOX

TN OPERATOR ARM

BOX

JAMB

*FUNCTION (TERRAZZO) COVER*
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

*OFFSET TBD*

*DOOR THK TBD*

*NOTCH JAMB IF REQUIRED-TBD*

ARM SWING PATH

PIVOT

PIVOT

VIEW: DOOR BOTTOM

SCALED FOR CLARITY
ELECTRICAL DETAILS

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

110 VAC
15 AMPS MIN
50-60 Hz

*FUNCTION CONTROL PANEL*

*PIVOT COVER*

*JB*   *JB*

BOX

RIGHT-HAND OFFSET PIVOT

PIT

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

110V AC (IN)
10 AMPS

24V DC
TO ACT.
SWITCHES

"FUNCTION
CONTROL
PANEL"

TN110
CONTROL
BOX

 Ø MAX. 1-5/16"

 Ø MIN. 15/16"

ENCODER
CABLE

MOTOR
CABLE

TO TN110
OPERATOR

TORMAX USA Inc.
PIT PREPARATION DETAILS

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

RIGHT-HAND OFFSET PIVOT

iMotion® TN 110 IN-FLOOR SWING DOOR OPERATOR
WITH FLUSH MOUNTED FLOOR BOX

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

RIGHT-HAND OPERATOR WITH OFFSET PIVOT APPLICATION
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.
* DIMENSION AS REFERENCED TO EDGE OF BOX WITHOUT TERAZZO COVER
** JOB SPECIFIC DIMENSION

** KEY **
- FINISHED FLOOR
- POSSIBLE WEEP DRAIN
- OPERATOR SHAFT

** BOX / OPERATOR LOCATION TOLERANCES **

NOTE: TERAZZO PAN REMOVED FOR CLARITY (THIS VIEW ONLY)

** PIT DIMENSIONS **
19-3/4"L x 17-3/4"W x 6-7/8"D

INSTALL WEEP DRAIN IN EITHER HOLE

SECURE BOX TO FLOOR (HARDWARE BY OTHERS)

ALIGN TOP OF BOX EVEN WITH FINISHED FLOOR

COVER ANY UNUSED HOLES PRIOR TO POURING MORTAR

WEEP DRAIN MUST BE INSTALLED OR MANUFACTURER'S WARRANTY WILL BE VOID.

NOTE: TERAZZO PAN REMOVED FOR CLARITY (THIS VIEW ONLY)