General Contractors

Tormax iMotion ®
TN 110 In-Floor Swing Door Operator

Installation/Facilitation Guidelines

Center Pivot Application
Left 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

110 VAC
15 AMPS MIN
50-60 HZ

CONTROL BOX

"*JB*"
"*JB*"

"FUNCTION CONTROL PANEL*"

TN OPERATOR ARM

SURFACE MOUNT
(STAINLESS STEEL) COVER

OPERATOR

BOX

DOOR

LEFT-HAND CENTER PIVOT

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

LEFT-HAND OPERATOR WITH CENTER PIVOT APPLICATION

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

TORMAX USA Inc.
NOTES:
(1) "* " - INDICATES COMPONENT IS JOB SPECIFIC OR OPTIONAL
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

"FUNCTION CONTROL PANEL"

LINBUS CABLE 75'-0" SUPPLIED BY TORMAX

110V AC (IN)
10 AMPS

24V DC TO ACT. SWITCHES

TN110 CONTROL BOX

Ø MAX. 1-5/16"

ENCODER CABLE

MOTOR CABLE TO TN110 OPERATOR

Ø MIN. 15/16"
NOTES:
(1) "* * *" - INDICATES COMPONENT IS JOB SPECIFIC OR OPTIONAL
NOTES:
1. ENSURE PROVISIONS FOR WEEP DRAIN AND ELECTRICAL WIRING HAVE BEEN MADE PRIOR TO FILLING THE PIT WITH MORTAR.
2. WEEP DRAIN HARDWARE TO BE PROVIDED BY GC. WEEP DRAIN INSTALLATION & LOCATION OF TERMINATION MUST COMPLY WITH CITY.
3. WEEP DRAIN MUST BE INSTALLED OR MANUFACTURER'S WARRANTY WILL BE VOID.

Weep Drain Must Be INSTALLED or Manufacturer's Warranty Will Be Void.