Notes Title Installation Specifications for 45HW & 47HW Electrified Mortise Locks Series 45HW & 47HW 1. Before drilling, check the H15 Template: 4. For metal doors, lock case support is 7. Lock case holes: Installation Template for 45H & 47H required from the door manufacturer. Cylinder hole -Mortise Locks and 45HW & 47HW 5. Tap for a #12-24 machine screw or For 45HW Locks, 11/4" (32mm) dia. Electrified Mortise Locks (T81163). For 47HW Locks, 13/4" (45mm) dia. drill for a #12 wood screw (a 2. The maximum door-to-frame gap is combination screw is supplied) Emergency key / thumb turn access 3/16" (4.8mm). hole - 1/2" (13mm) dia. 6. If using an optional magnetic strike Backset 3. Allow 3/64" (1.2mm) clearance for the G Trim mounting hole box, position the magnet at the top. strike box thickness. 3/8"(10mm) dia. (two required) Prep TCM hole 2 3/4" 1" dia x 3" deep hole \bigcirc Lever hole - $\frac{7}{8}$ " (23mm) dia. Mortise case — overhead view ← 1 ¹/32 in (26.2 mm) Adjusts 90 degrees ± 3 1/2 degrees 3/64 in 4 ¹/4 in 31/32 in (24.6 mm) (1.2 mm) 1/8 in (108.0 mm) 3/32 in-(3.2 mm) (2.4 mm) 1 ⁷/32 in ⁷/8 in (22.2 mm) (31.0 mm) Strike plate — Strike box — 1 ¹/4 in overhead view overhead view 2 x #12-24 screw-23/4 in (69.9 mm) (31.8 mm) **Door thickness ←** 1in → Note 5 backset-(25.4 mm) 1 3/4" to 5' -2 x #12-24 screw <1 ¹/4 in → 1 in (25.4 mm)> ←1 ⁷/32 in → Note 5 min. clearance (31.8 mm) (31.0 mm) (4) for wires 1⁷/8 in (47.6 mm) 7 ¹/₄ in \¹³/16 **in** (20.6 mm (184.2 mm) %16 in-B $4^{7/8}$ in 8 in (14.3 mm 1/2007 3 5/8 in П (123.8 mm) 3 5/8 in (203.2 mm) 1³/16in Centerlin (92.1 mm) S (92.1 mm) (30.2 mm of strike 3 3/8 in ⁷/32 in 4 ¹/8 in 4²⁵/32 in (85.7 mm) (5.6 mm) (104.8 mm (121.4 mm) ⋗ Template 0 3 ³/64 in 2 ²⁷/64 in 1 ¹/₈ in 0 (77.4 mm 3 ²¹/64 in 5 ⁷/8 in (61.5 mm) (28.6 mm) $\frac{3}{8}$ in **(1)** (149.2 mm) П (84.5 mm) 1 in (25.4 mm) (9.5 mm) S \otimes Centerline S of lock T81611/Rev B ER-7991-1 Jan 2015 5/8 in 4 in S (101.6 mm) (15.9 mm) 1¹/2 in-~ 9 ³/8 in (9.5 mm) 1 11/16 in (38.1 mm) S ¹⁵/16 in 11/32 in (42.9 mm) clearance for wires 11/16 in Centerline -(8.7 mm) (23.8 mm) (17.5 mm) of lever to 40HS1 Strike box П (4) centerline Note 6 ≤ Strike plate Clear for screws of lock Rev S 1/16 in (1.6 mm) deep W ⁷/32 in (5.6 mm) **Faceplate** 45 degrees $\frac{3}{4}$ in (19.1 mm) Mortise case — side view