Avery Weigh-Tronix

ZM KIOSK

Vehicle Scale Controls

Technical Specification

DESCRIPTION

GENERAL

The ZM Kiosk Vehicle Scale Controls are based on the Z Series Indicators and provides a reliable solution for truck scale applications that require attended and unattended, driver-operated weighing. The system is available with many different hardware configurations to meet exact customer needs. It connects seamlessly to any Avery Weigh-Tronix truck scale as well as many other makes and models.

STANDARD FEATURES

Each ZM Kiosk features a panel mounted Z Series Indicator and thermal printer with cutter/presenter and a large paper roll.

OPTIONS

The system can easily be configured with an array of options such as RFID reader, intercom, traffic light controls, pole mount kit, etc.

*Shown with optional*
RFID reader and intercom

ZM KIOSK VEHICLE SCALE CONTROLS *Technical Specification*

SPECIFICATIONS

|	
ENCLOSURE	Powder painted steel with UL/cUL Type 1, 3R, 12, and 4 protection rating with lockable door
ZM Indicator	Panel-mounted ZM615, ZM605, ZM510, or ZM405
Ethernet Receipt Printer	24 VDC / 2.9 Amps, 10/10MB Ethernet with low paper sensor, supports media 2.3" to 3.5"
Power Over Ethernet Switch	12-48 VDC, Five - 1 GB Ethernet ports
Power Supply Unit	100-240 VAC, 1-phase, 24 VDC, 10 Amps, 240W
ENVIRONMENTAL	
Storage Temperature	-40° F to + 140° F (-40° C to +60° C)
Operating Temperature	14° F to + 104° F (-10° C to +40° C)
Humidity	0 to 95% non-condensing
OPTIONS	
Enclosure Heater	400W, 115 VAC, 50/60 Hz, PTC fan heater, maximum current 9.0 Amp 400W, 230 VAC, 50/60 Hz available. Consult factory.
Enclosure Cooler	4W, 100-240 VAC ball bearing axial fan, thermostat controlled
Memory Expansion	Up to 32 GB micro SD Up to 32 GB USB memory stick (2.0)
Proximity Card Reader	Rugged, weatherized polycarbonate enclosure, tri-state LED indication, read range up to 7 in (17.7cm), transmit frequency 125 kHz, recognizes card formats up to 37-bit (Optional card reader with keypad available)
Proximity Access Card	Frequency 125 kHz, operating temperature -50° F to 160° F (-45° C to 70° C), weight 0.24 oz (6.8 g), dimensions 2.14" x 3.39" x 0.08" (5.4 x 8.6 x 0.2 cm)
QWERTY Keyboard	61 keys, vandal resistant (20J BS EN 60068-2-75:1997) stainless steel front plate, weather resistant (IP65)
Loop Vehicle Detector	I/O selectable sensitivity levels, two-color LED status indicator, self-tuning, continuous loop monitor remembers intermittent and failed loops. Respond time 125 milliseconds after vehicle enters loop. Loop inductance range 20 to 2,000 microhenries with Q factor of five or greater.
Approach Loops	Preformed wire, inductive loop for vehicle detection system (one required per scale approach, typical system has two)
Traffic Light Control	Two (2) 24 VDC DIN rail relays
Voice Over IP Intercom with Master Phone	Full-duplex voice operation, PoE, 10/100 Mbps, intercom IP65
Pole Mount Kit	Cast aluminum base with 10' aluminum pole (schedule 80, 4.5" outside diameter). 0.75" x 18" embedded L anchors with washers and nuts. Stainless steel pole mounting hardware. Powder-painted enclosure shield with rubber bumpers.
WARRANTY	Two-year limited (printer 90 days from registered install)
APPROVALS	NTEP Class III/IIIL to 10,000 divisions
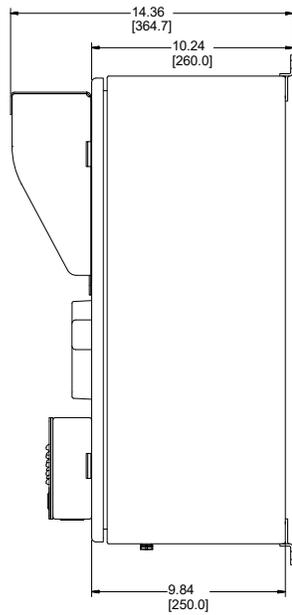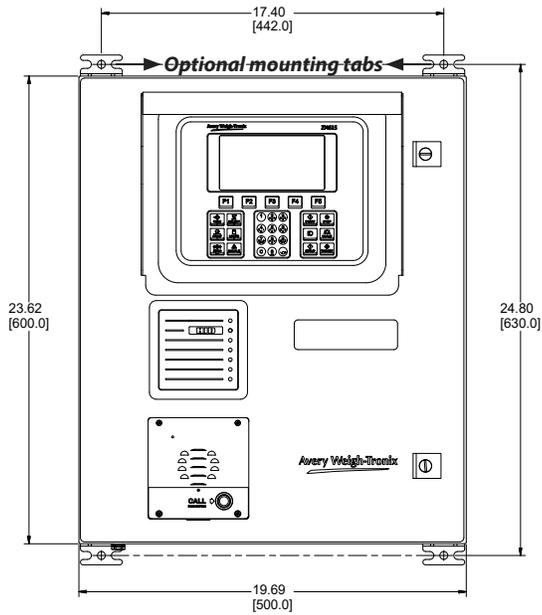
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DIMENSIONS

17.40
[442.0]

Optional mounting tabs

23.62
[600.0]

24.80
[630.0]

19.69
[500.0]

14.36
[364.7]

10.24
[260.0]

Optional mounting tabs

9.84
[250.0]

ZM Kiosk 2420 enclosure

2'-4"
[0.71]

1'-5½"
[0.44]

2'-2¼"
[0.66]

11'-2¼"
[3.41]

8'-0"
7'-0"
[2.4]
[2.1]

CUSTOMER WILL DETERMINE
ACTUAL DISTANCE AT TIME
OF INSTALLATION.

Ø 4½"
[0.11]

1'-3"
[0.38]

1'-1½"
[0.34]

Pole Mount

1'-7"
[0.48]

8'-1"
[2.46]

1'-¼"
[0.31]

2'-1¾"
[0.65]

1'-3¼"
[0.39]

DIMENSIONS

19.69 [500.0]

8.31 [211.2] 1.00 [25.4] 15.75 [400.0]

Side mounted printer

5.81 [147.5]

10.75 [273.1]

11.88 [301.7] 5.50 [139.7]
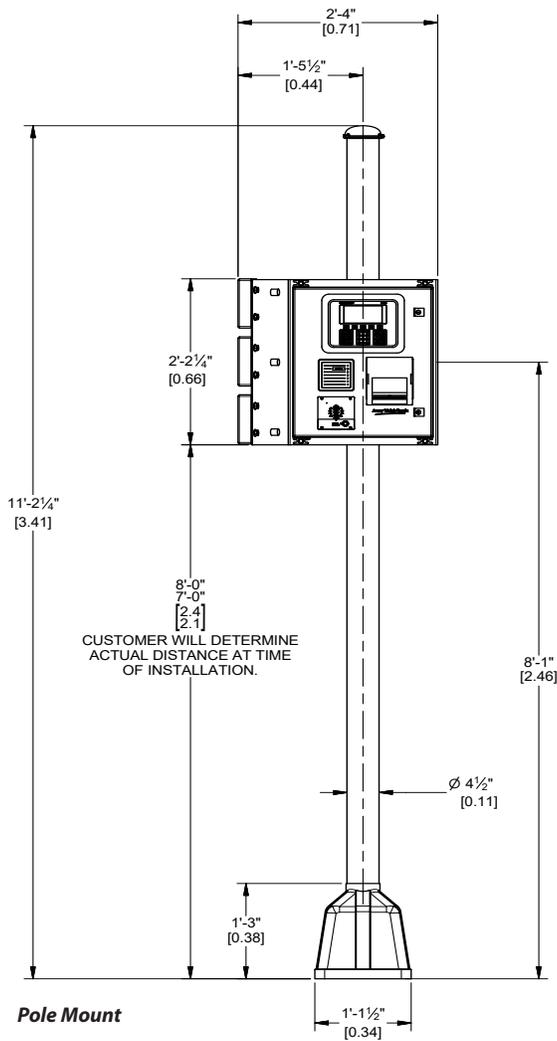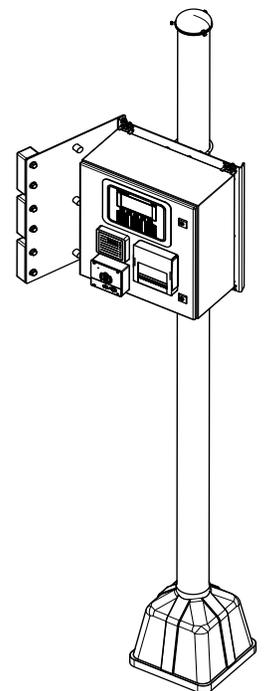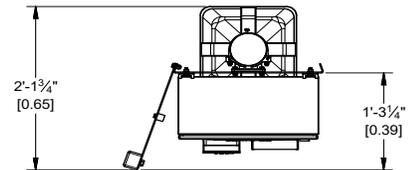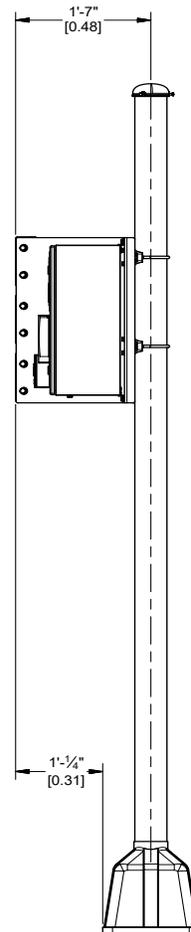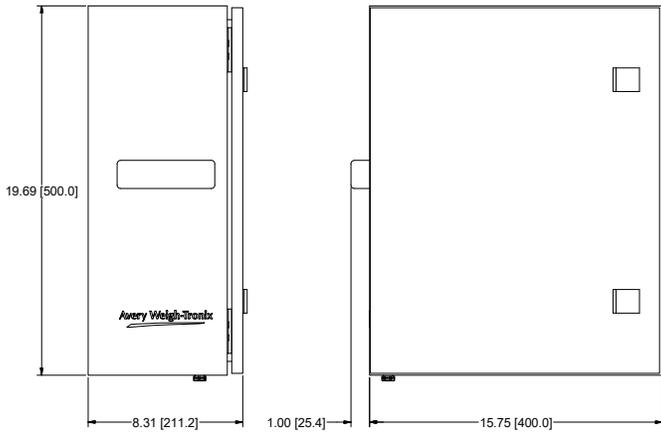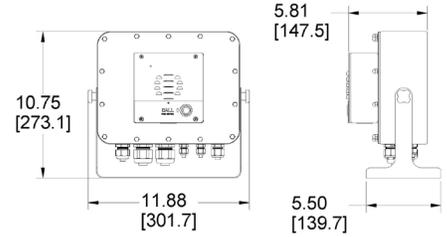
Voice IP (VoIP) intercom only

4.65 [118.1]

10.75 [273.1]

11.88 [301.7] 5.50 [139.7]

RFID card reader only

1'-⅝" [0.32]

5⅞" [0.15]

Pole Mount

2'-5⁵⁄₁₆" [0.75]

1'-6¹¹⁄₁₆" [0.47]

1'-8¼" [0.51]

1'-8¹⁵⁄₁₆" [0.53]

11'-2¼" [3.41]

8'-5½"
7'-5½"
[2.6]
[2.3]
CUSTOMER WILL DETERMINE
ACTUAL DISTANCE AT TIME
OF INSTALLATION.

Ø 4½" [0.11]

1'-3" [0.38]

1'-1½" [0.34]

1'-7⁵⁄₁₆" [0.49]

1'-1½" [0.34]
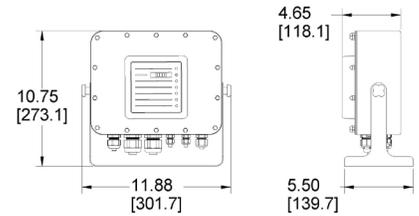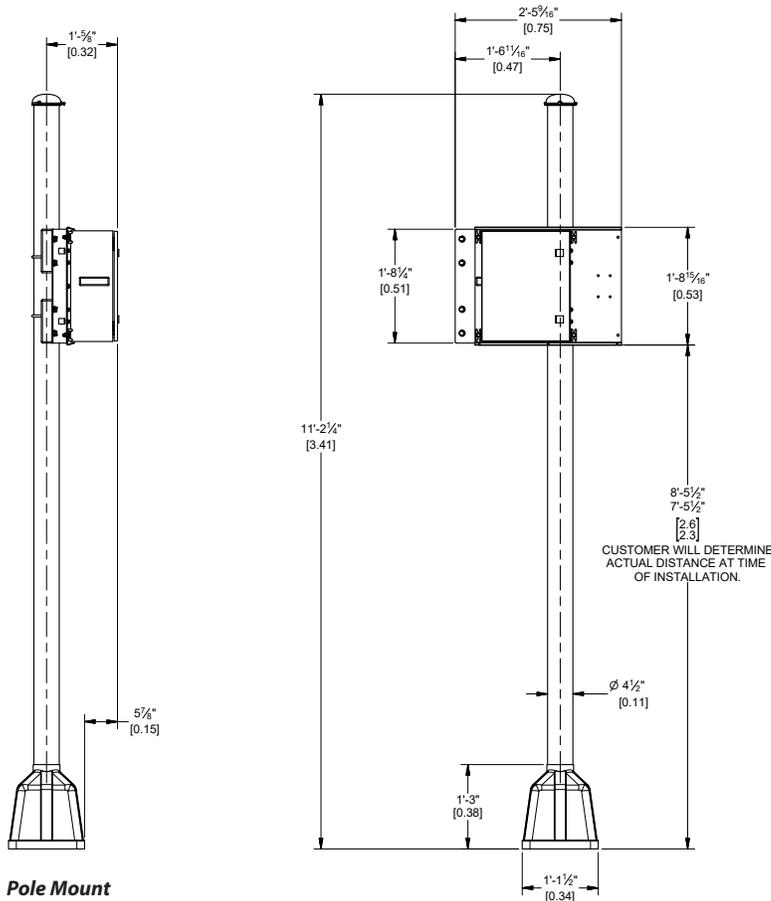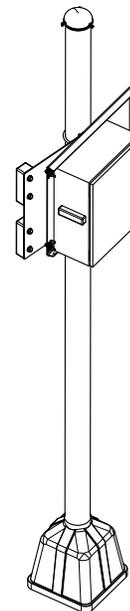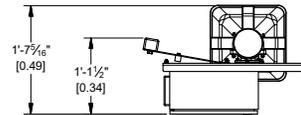
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Avery Weigh-Tronix is an ITW company