

ACTIVE METAL™ KEYPADS

BEYOND DURABLE.™

3x4 RAISED PROFILE Keypads

THE NEXT GENERATION OF VANDAL-RESISTANT ACCESS CONTROL.

RUGGED, SOLID METAL CONSTRUCTION FEATURING

ITW ACTIVE TOUCH TOUCH-THRU

METAL TECHNOLOGY.

*Packed with Features
other Keypads Can't Match:*

- Touch-Sensitive Activation:
Selectable sensitivity and audio settings
- Weather, Water, Dust Resistant: one-piece,
seamless construction — no moving keys.
- Box or Panel / Under-panel mounting
- Aesthetics: Raised Sculpted Keys,
with permanent markings
- Vandal-resistant, Solid Metal construction
- Diagnostic and Real-time feedback
- Washable / Submersible
- Output Options: Matrix, RS-232, Wiegand
- Auxiliary Output: Camera or
Lighting activation
- Solid-State Circuitry
- Customer Controlled LEDs (x2)
- Limited Lifetime Product Warranty



Applications:

- Indoor / Outdoor Access Control
- Kiosks / Point of Sale
- Security / Alarm systems
- Keyless Entry Points
- Industrial / Commercial
- Gas Pumps
- ATM Machines
- Medical / Clean Rooms
- Prisons / Secured Facilities

SPECIFICATIONS

3x4 Raised Profile

ACTIVE METAL™ KEYPADS

BEYOND DURABLE.™



Electrical:

- Voltage: +9 to +24 VDC
- Current Consumption: 50 mA (Max)
- EMI/RFI: No Effect
- ESD: meets IEC61004 spec to Level 4 Immunity
- Output: Matrix, RS-232 & Wiegand
- Auxiliary Output: 30 VDC (Max), 100mA (Max)
- LEDs: 2 (customer controlled, 1 Green, 1 Red)
Pull to ground
- Molex® 16-pin locking male connector
(mates with Molex® 16-pin female connector
part number 90142-0016, not included)

Mechanical:

- Maximum Actuation Force: Level 2 Sensitivity,
< 1.1 lbs. (5 N) ADA Compliant
- Materials: Powder Coated Aluminum
- Mechanism: 100% Solid-state, No moving parts
- Operational Life: Unlimited cycles, -40°C to 85°C
- Panel Mounting 0.50" screw penetration depth
or through hole
- Torque: Panel mount 8-32 UNC screw
(17 Inch Pounds — max),
Box mount 6-32 screw
(8.5 Inch Pounds — max)
Mounting hardware included.
- EPDM Rubber Gasket (included)

Environmental:

- Operating Temperature Range: -40° C to +85° C
(Typical)
- Storage Temperature Range: -40° C to +125° C
(Typical)
- Relative Humidity: No Effect (when mounted)
- Meets or Exceeds: IP-x6, NEMA 4X
(when mounted)
- Ingress Protection: IP68
(submerged in 3 meters for
24 hours, when mounted)
- Shock: Tested to 30g in each Axis
(drop test from 3m to concrete)
- Vibration: Tested at 3 hours each Axis
(no false actuations)
- Impact: 1kg Shock Test

Pin-Out Configurations:

Pin No.	Matrix	RS-232	Wiegand	Diagrams
1	+9 to 24 VDC	+9 to 24 VDC	+9 to 24 VDC	
2	Aux. Out	Aux. Out	Aux. Out	
3	—	TX Data	—	
4	—	—	—	
5	Row 0	—	Data 0	
6	Row 1	—	Data 1	
7	Row 2	—	—	
8	Row 3	—	—	
9	Column 0	—	—	
10	Column 1	—	—	
11	Column 2	—	—	
12	—	—	—	
13	Red LED	Red LED	Red LED	
14	Green LED	Green LED	Green LED	
15	Ground	Ground	Ground	
16	Ground	Ground	Ground	



Back view

Sensitivity and Audio Settings:

* Default Setting

At power up, press one of the following keys to select the sensitivity and audio settings

Key 1 — Low sensitivity (heavier touch), Sound On

Key 4 — Low sensitivity (heavier touch), Sound Off

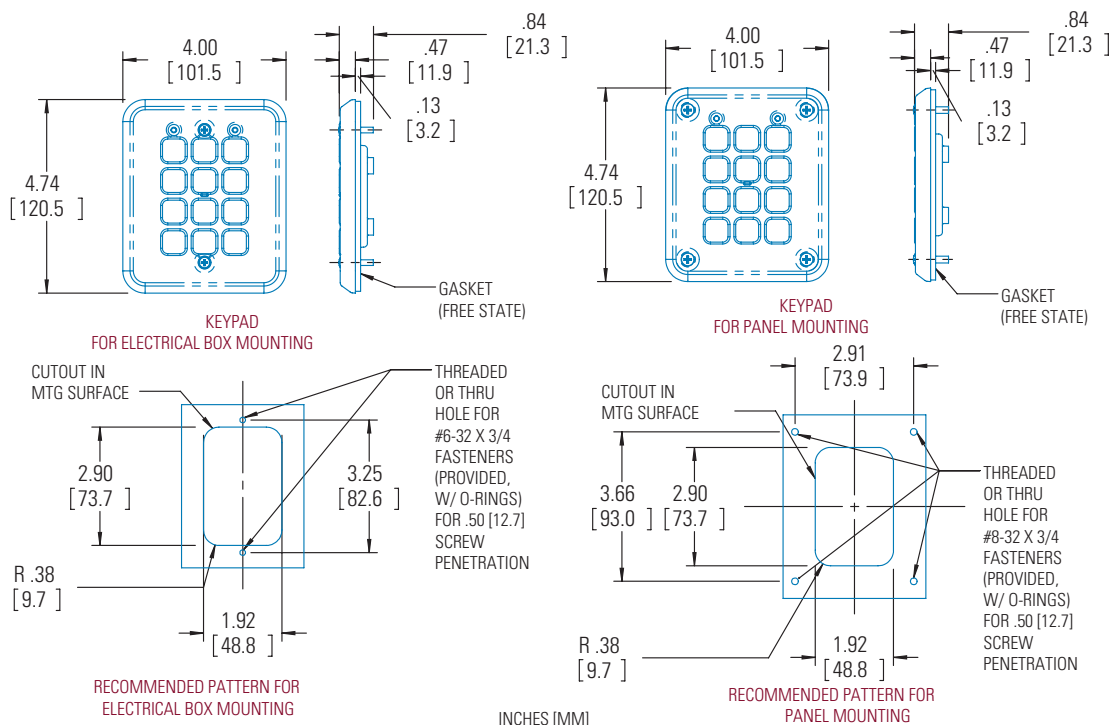
Key 2 — Med sensitivity (standard touch), Sound On*

Key 5 — Med sensitivity (standard touch), Sound Off

Key 3 — High sensitivity (lighter touch), Sound On

Key 6 — High sensitivity (lighter touch), Sound Off

Dimensions / Mounting Diagrams:



800.544.3354

PART NUMBER INFORMATION

3x4 Raised Profile

ACTIVE METAL™ KEYPADS

BEYOND DURABLE.™

Part Number	Number of Keys	Box Mount (1-Gang)		Panel Mount	Matrix Output	Serial Output	Wiegand Output	Markings	Aluminum	Plated Casting	Stainless Steel
T10-103400-000	12	✓	✓					0	✓		
T10-103400-100	12	✓	✓					1	✓		
T10-103400-200	12	✓	✓					2	✓		
T10-103400-300	12	✓	✓					3	✓		
T10-103400-400	12	✓	✓					4	✓		
T10-103400-500	12	✓	✓					5	✓		
T10-103401-000	12	✓			✓			0	✓		
T10-103401-100	12	✓			✓			1	✓		
T10-103401-200	12	✓			✓			2	✓		
T10-103401-300	12	✓			✓			3	✓		
T10-103401-400	12	✓			✓			4	✓		
T10-103401-500	12	✓			✓			5	✓		
T10-103402-000	12	✓				✓		0	✓		
T10-103402-100	12	✓				✓		1	✓		
T10-103402-200	12	✓				✓		2	✓		
T10-103402-300	12	✓				✓		3	✓		
T10-103402-400	12	✓				✓		4	✓		
T10-103402-500	12	✓				✓		5	✓		
T10-103410-000	12	✓		✓				0	✓		
T10-103410-100	12	✓		✓				1	✓		
T10-103410-200	12	✓		✓				2	✓		
T10-103410-300	12	✓		✓				3	✓		
T10-103410-400	12	✓		✓				4	✓		
T10-103410-500	12	✓		✓				5	✓		
T10-103411-000	12	✓			✓			0	✓		
T10-103411-100	12	✓			✓			1	✓		
T10-103411-200	12	✓			✓			2	✓		
T10-103411-300	12	✓			✓			3	✓		
T10-103411-400	12	✓			✓			4	✓		
T10-103411-500	12	✓			✓			5	✓		
T10-103412-000	12	✓				✓		0	✓		
T10-103412-100	12	✓				✓		1	✓		
T10-103412-200	12	✓				✓		2	✓		
T10-103412-300	12	✓				✓		3	✓		
T10-103412-400	12	✓				✓		4	✓		
T10-103412-500	12	✓				✓		5	✓		



Additional Information:

Number of Keys — 12-keys,
3 across by 4 down.

Box Mount — Mounts with 2 screws to a standard single gang electrical box.

Panel Mount — Mounts using 4 screws to a flat surface or can be under-panel mounted for a flush low profile look. (Under-panel mounting requires separate gasket, not included).

Matrix Output — Standard row and column switch outputs, plus an auxiliary output and two customer controlled LED inputs.

Serial Output — 3-wire connection for RS-232 serial protocol, plus an auxiliary output and two customer controlled LED inputs.

Wiegand Output — 4-wire connection for standard Wiegand protocol, plus an auxiliary output and two customer controlled LED inputs.

Markings — 6 options available: ascending numbers (telephone) descending numbers (calculator), with or without lettering, and positive or negative images. (see pictures below for examples).

Material — Aluminum with Light Gray powder coat finish.

Standard Markings:

All markings print Black (contact factory for custom colors or artwork)

