

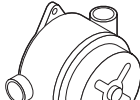


MI Components and Accessories


D100
OATO
011A

System Components


Power Connection Kits

Product name	Order reference	Description
 Power connection box	RMI-JB3	Copper-free aluminum alloy box with three entries for use with MI heating cables. Includes terminal block (500 Vac, 50 A, 2 x 6 AWG) and three 3/4" x 1/2" reducers and two 3/4" NPT plugs. FM and CSA approved for: Class I, Div. 1 & 2, Groups B, C, D; Class II, Div. 1 & 2, Groups E, F, G; and Class III. Enclosure dimensions: 6.1" x 5.2" x 3.9" (156 mm x 133 mm x 98 mm).

Ferro-alloy junction box PTJB

	<p>A smaller junction box with three entries for use with MI heating cables. Three 3/4" NPT entries. Provided with one plug and two 3/4" x 1/2" reducers. Includes terminal block (65 A, 4 x 6 AWG) and stainless steel support bracket (U-clamp). UL and CSA approved for: Class I, Div. 1 & 2, Groups A, B, C, D; Class II, Div. 1 & 2, Groups E, F, G. Enclosure dimensions: 5.5" x 4.75" x 3" (140 mm x 121 mm x 76 mm).</p>
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Cast aluminum box D1297TERM4

	<p>A large cast aluminum junction box (NEMA 3R) for installation in nonhazardous and CID2 areas. Three 1/2" NPT entries on bottom, provided with plugs. Includes terminal block (65 A, 4 x 6 AWG). Extra entries can easily be added with a hole saw. External mounting feet. CSA approved for Class I, Groups A, B, C, and D, Div. 2 only. Enclosure dimensions: 6" x 6" x 4" (152 mm x 152 mm x 101 mm).</p>
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Support bracket for D1297TERM4

	<p>Optional stainless steel mounting bracket for junction box type D1297TERM4. To be strapped on metal cladding of pipe insulation using metal banding or pipe straps (based on outer dimension of insulation).</p>
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Accessories

Attachment Materials


Product name	Order reference	Description
 Pipe straps for MI heating cable	PB (see Table 1)	Stainless-steel straps for holding MI heating cables onto pipe. Pliers are the only tool required to pull the pipe strap tight. Allow one pipe strap per foot of pipe (3.3 per meter of pipe).

Table 1 Available Pipe Straps

Part number	Pipe diameter	Package quantity
PB 125	To 1-1/4"	50 pc
PB 300	1-1/2" to 3"	35 pc
PB 600	3-1/2" to 6"	25 pc
PB 1000	6" to 10"	1 pc
PB 1200	To 12"	1 pc
PB 2400	To 24"	1 pc
PB 3600	To 36"	1 pc

Accessories, Continued


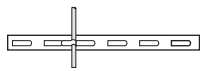

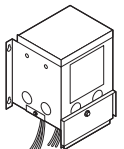

Product name	Order reference	Description
Tie wire 	051CUPRON	16 AWG tie wire for fastening Alloy 825 MI heating cables on pipes. Do not use with copper-sheathed MI heating cables; use PB pipe straps. Particularly good for irregular shaped objects like valves and pumps. Order quantity as required (in ft) as per Table .
Stainless-steel prepunched strapping band 	PPSTP	Prepunched strapping to hold MI heating cable in place. Stainless steel. Supplied in 50 ft (15.2 m) rolls with lift up tabs on 1" (25 mm) centers to suit spacing in multiples of 1" (25 mm). For estimating quantity in slab: qty (rolls) = 0.008 x area in ft ² <i>or</i> qty (rolls) = 0.08 x area in m ² Can also be used on large pipes to simplify installation of multiple heating cables. For quantities, see Table (installation every 1 ft = 0.328 m).

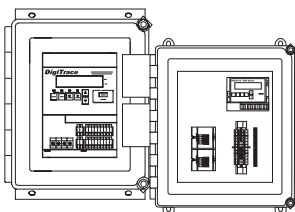
Table 2 Allowance for Banding/Tie Wire on Pipes

Pipe size (inches)	1	1.5	2	4	6	8	10	12	14	16	18	20	24	30	36	48
Required length (ft) per ft of pipe	0.8	1.1	1.2	1.6	2.1	2.8	3.5	4.2	4.6	5.2	5.9	6.5	7.9	9.8	11.8	15.7
Required length (m) per m of pipe	0.8	1.1	1.2	1.6	2.1	2.8	3.5	4.2	4.6	5.2	5.9	6.5	7.9	9.8	11.8	15.7

Electric traced label 	ETL	Attach the label to the outside of the thermal insulation weather barrier to indicate presence of electrical heat tracing. Use one label for every 10 feet (3 m) of pipe, alternating on either side of the pipe. Also install at equipment requiring periodic maintenance (control valves, pumps, instruments, etc.).
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Transformer (optional) 	RMI-LVT-240	120–240 Vac low-voltage transformer, UL Listed and FM approved for use in nonhazardous locations. For 120–240 Vac primary to 16–32 Vac secondary voltage applications. Power rating is up to 0.5 KVA. Includes NEMA 3R enclosure. Enclosure dimensions: (H x W x D): 6.2" x 6.2" x 4.7" (157 mm x 157 mm x 119 mm); weight 16 lbs (7.3 kg).
	RMI-LVT-277	277 Vac low-voltage transformer, UL Listed and FM approved for use in nonhazardous locations. For 277 Vac primary to 32 Vac secondary voltage applications. Power rating is up to 0.5 KVA. Includes NEMA 3R enclosure. Enclosure dimensions: (H x W x D) 6.2" x 6.2" x 4.7" (157 mm x 157 mm x 119 mm); weight 16 lbs (7.3 kg).

Identification label 	LBLSS	Stainless steel identification label for identifying junction boxes, thermostats, contactors, and heating sets. Dimensions: 2.5" x 1.5" (63 mm x 38 mm)
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Temperature controls 		For a complete selection of control and monitoring products, including line-sensing thermostats, see Section 8, Control and Monitoring.
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