

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

HONEYWELL

MU-TLPA02 51304467-100

POWER-ADAPTER TERMINAL PANEL ASSEMBLY

Applicable product family: Honeywell TDC 3000 process I/O

OFFICIAL SOURCE

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Honeywell

PlantScape® Planning Guide

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Planning for Low Level Multiplexer IOP

LLMux versions

There are two versions of the LLMux and their assemblies are not compatible with each other. For clarity, the two versions are described as an LLMux and a Remote Hardened Multiplexer (RHMUX).

The RHMUX is Approved as Intrinsically Safe and Nonincendive for use in hazardous locations. However, the RHMUX assemblies can also be used in areas that are classified as nonhazardous. The RHMUX subsystem has the added advantage that the FTA can be located up to 2 kilometers from its Power Adapter.

Typical LLMux configuration

Low Level Analog Input Multiplexer (LLMux) is comprised of three assemblies. They are:

- an IOP
- a Power Adapter
- an FTA

The following figure shows a typical Low Level Analog Input Multiplexer (LLMux) configuration. In this figure, the LLMux FTA, model MU-TAMR03 or MU-TAMT03/13, communicates with a model MU-PLAM02 LLMux IOP through the model MU-TLPA02 Power Adapter. The IOP can be located in any Card File slot. This can be a non-CE Compliant or CE-Compliant application depending upon the model of the card file that is used.

Control Hardware Configuration
Planning for Field Termination Assemblies (FTAs)

FTA Type	Model Number	Non-CE Compliant Part Number	CE Compliant Part Number	Terminal Type	Channels	Mounting Size
Power Adapter	MU-TLPA02	51304467-100	51309204-125	--	--	--
DI Power Distribution Assembly	MU-TDPR02	51304425-100	51304425-125	--	--	--
Standard With Conformal Coating						
120 Vac DI	MC-TDIA12	51304439-150	51304439-175	C	32	C
120 Vac DI	MC-TDIA52	51304439-250	51304439-275	S	32	C
120 Vac DI	MC-TDIA72	51303930-150	N/A	RS	32	C
120 Vac/125 Vdc Relay DO	MC-TDOR12	51304443-150	51309148-175	C	16	B
120 Vac/125 Vdc Relay DO	MC-TDOR52	51304443-250	51309148-275	S	16	B
120/240 Vac SS DO	MC-TDOA12	51304408-150	N/A	C	16	B
120/240 Vac SS DO	MC-TDOA13	51304648-150	51304648-175	C	16	B
120/240 Vac SS DO	MC-TDOA52	51304408-250	N/A	S	16	B
120/240 Vac SS DO	MC-TDOA53	51304648-250	51304648-275	S	16	B
24 Vdc DI	MC-TDID12	51304441-150	51304441-175	C	32	C
24 Vdc DI	MC-TDID52	51304441-250	51304441-275	S	32	C
24 Vdc DI	MC-TDID72	51303928-150	N/A	RS	32	C

Control Hardware Configuration
Planning for Field Termination Assemblies (FTAs)

FTA Type	Model Number	Non-CE Compliant Part Number	CE Compliant Part Number	Terminal Type	Channels	Mounting Size
LLMux TC Remote	MC-TAMT12	51401573-150	N/A	C	16	B
LLMux TC Remote	MC-TAMT13	N/A	51309213-175	C	16	B
RHMUX GI/IS Power Adapter	MC-GRPA01	N/A	51304724-175	C	2	A
RHMUX GI/NI Power Adapter	MC-TRPA01	N/A	51304722-175	C	2	B
RHMUX TC Local CJR	MC-GRMT01	N/A	51404106-175	S	16	Non Standard
STI	MC-TSTX03	N/A	51309136-175	C	16	A
STI	MC-TSTX13	N/A	51309138-175	C	16	B
STI	MC-TSTX53	N/A	51309138-275	S	16	B
Power Adapter	MC-TLPA02	51304467-150	51309204-175	--	--	--
DI Power Distribution Assembly	MC-TDPR02	51304425-150	51304425-175	--	--	--
Galvanically Isolated Without Conformal Coating						
24 Vdc DI	MU-GDID12	51304640-100	51304640-125	C	32	B
24 Vdc DI	MU-GDID13	51304728-100	51304728-125	C	32	B
24 Vdc DI	MU-GDID82	51304640-300	51304640-325	CP	32	B