

Tech Note

Title: Connecting Liftlog to an NWMTC controller

Product : LiftlogDX

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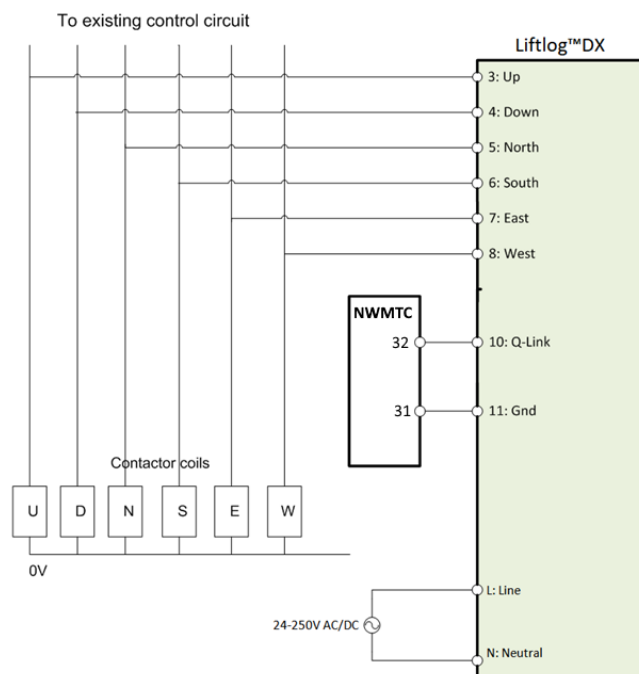
Date: 17/09/2023

1 DESCRIPTION

The NWMTC is an OEM crane controller found on some Chinese hoists. It monitors phase, voltage, load etc and manages fast to slow transitions. It also has digital output for a load display.

LiftlogDX, firmware version 50.6 or later now supports direct connection to this device as a load source. Nb, we do not recommend using the load limit function of the LiftlogDX as the primary load limit for a crane when connected to the MTC controller as the update rate for the indicated load is only around one Hz.

Connection diagram.



FSU configuration

(nb, NWMTC connections are only supported in FSU versions 29.6 or later)

The screenshot shows the LiftlogDX software interface with the following sections:

- Hoist ID:** Test FMB
- Crane Specification:** C4, M4, 10 t
- SWP:** Structure 0%, Hoist 0%, Last Updated Never
- Logged Data:** 92 moves, Upload button
- System time:** 17/09/23 07:04
- Cabinet temperature:** 27 C
- Inputs:** A directional pad (N, S, E, W, U, D) and a Control Voltage selector (AC checked, DC unselected).
- Input type:** A dropdown menu set to NWMTC, highlighted with a red box and an arrow.
- Weight Display:** 10119kg
- Buttons:** Zero, Calibrate
- Load Sharing:** Unchecked
- HoistNet:** link 1 Unbound (disconnected), link 2 Unbound (disconnected)
- Sling Safe:** Default limit 0 kg, Current limit 0 kg
- Load limits:** This Hoist 15000 kg, Combined 15000 kg, Contact 13-14 (N/C checked, N/O unselected), Locked Out unchecked. Summary: 4 Load limit events. Last event: 4758358 kg at 17/09/23 07:02. Biggest event: 594739200 kg at 17/09/23 06:26. Includes a Reset Count button.
- Traffic Lite:**

SetPoint	Load (kg)	N/C	N/O	Single mode
1	20000	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
2	20000	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
3	20000	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
- Footer:** fw Ver 51.1, gear icon, and a document icon.

2 PICTURES

