



Millennium® ISN York Talk XL

The ISN York Talk XL is an intelligent microprocessor based controller that provides an interface between YORK Water-side and Airside equipment and third party Building Automation System equipment through RS-232 communications.

The York Talk XL communicates with other ISN controls over an RS-485 network. When connected to YORK's Linc Chiller, the following YORK equipment is accessible through York Talk RS-485 port communications:

YT	=	Centrifugal Chillers
YK	=	Centrifugal "Super Chillers"
YP	=	Paraflow Absorption Chillers
YI	=	Isoflow Absorption Chillers
A1	=	Air-cooled Screw Chillers (Master)
A3	=	Air-cooled Screw Chillers (Slave)
C1	=	USA Reciprocating Chillers (Master)
C3	=	USA Reciprocating Chillers (Slave)
B1	=	Basildon (UK) Reciprocating Chillers (Master)
B3	=	Basildon (UK) Reciprocating Chillers (Slave)
YS	=	125 - 675 ton Rotary Screw
LS	=	1250 ton Rotary Screw
RT	=	Sunline 3000 Rooftop Unit
YG	=	Gas Engine Drive Chiller
H1	=	Air Water Heat Pump (Master)
H3	=	Air Water Heat Pump (Slave)



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COMMUNICATIONS

The York Talk XL communicates with the third party Building Automation System through the RS-232 port of the controller card. An RS-485 Local Area Network

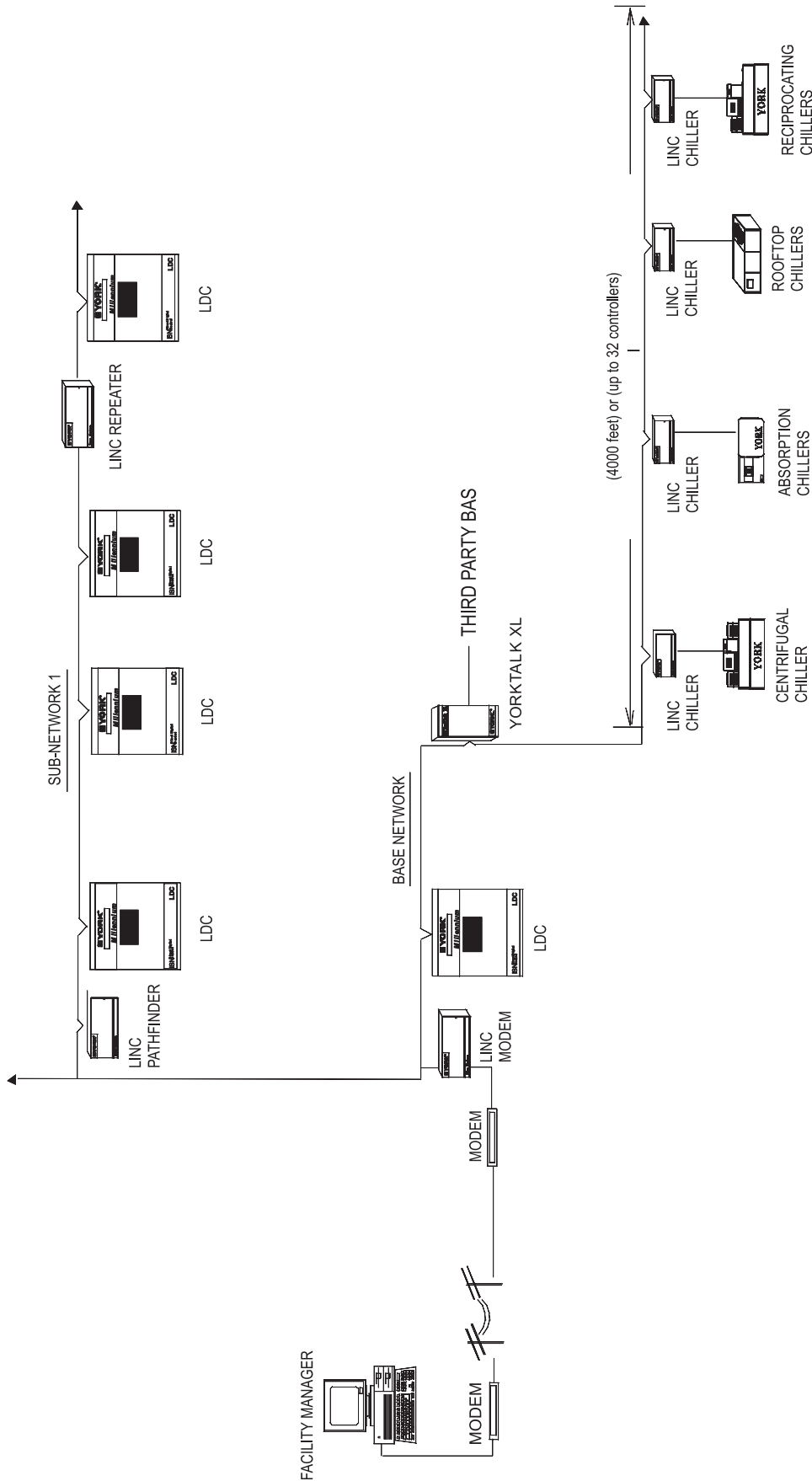
(LAN) connection with other ISN controls transmits limited command functions and receives status reports from the YORK equipment.

FEATURES

- Communications with multiple YORK Chillers/ Rooftops.
- Built in Accordance With U.L.
- Intelligent Microprocessor Based Controller
- Additional Report Capabilities: Alarm Reports, History Reports, Event Data, Schedule Data, Custom Report Generation
- Capability to Extend RS-485 LAN to connect additional ISN Equipment for Control or Report Communications

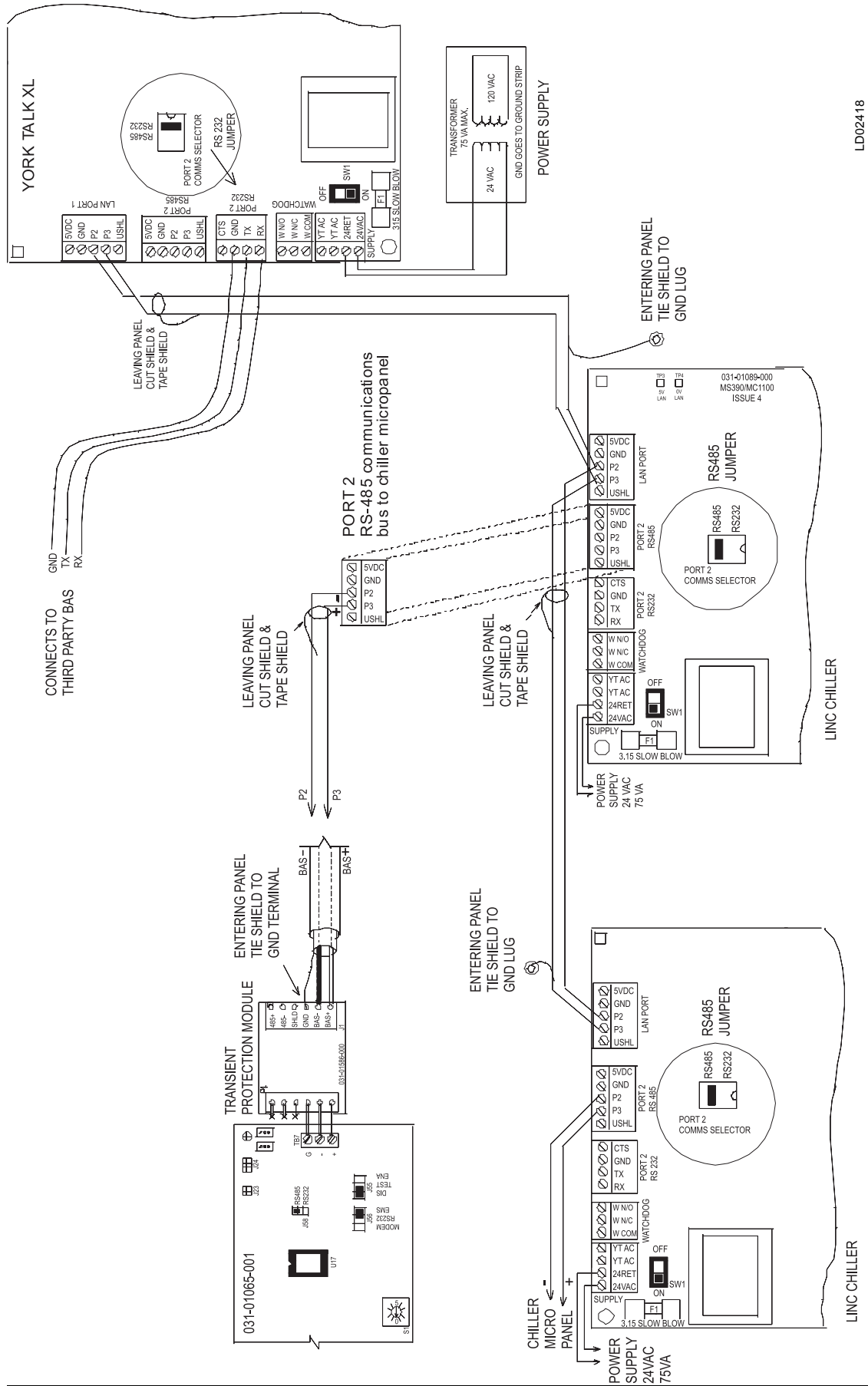
LAN ARCHITECTURE

Typical Layout



LD02417

WIRING DIAGRAM



LD02418

SPECIFICATIONS

General

Primary Power Source	115VAC, +/-10%
System Power	Via Internally, limited 75VA transformer
Frequency	50/60 Hz +/- 10%
Power Consumption	65 VA max.
Input Power	24VAC, 45/65 Hz +/- 15%
Operating Environment	32 to 122 deg F / 0 to 95% RH non-condensing
Size	21"H x 9.5"W x 5.5"D
Weight	20 pounds

Advanced Processor Card (APC)

Processor	NEC V25 Operating at 8 MHz
Memory PROM	Up to 256 kBytes of CMOS EPROM
Memory RAM	Up to 64 kBytes of battery-backed CMOS RAM
Real Time Clock	Accuracy +/- 30 seconds per year
Battery Back-up	Data maintained for 2 years (Typical) 5 year life span Battery Ena/Dis jumper

User Interface

User Connections	1 RS-485 LAN (Port 1) 50K Baud 1 RS-232 Universal Utility Port (Port 2) 1200, 2400, 4800, 9600 Baud
User Functions	Node Selection Switch LAN Status LEDs Universal Port Status LEDs

Communication Interface

Cable	Twisted shielded pair w/ drain, Beldon 9841 or equivalent, for both RS-232 and RS-485
Installation Note	When using micro panel 031-01065-000 be aware that the silk screen on TB7 (RS-485 port) the + and - terminals are switched. The correct TB7 is shown on page 3.

ORDERING EQUIPMENT

- York Talk XL – P/N Rev. 6 371-02085-000 / Rev. 7 371-02085-001
- Order from your nearest Regional BAS office

Reference: "ISN York Talk Translator Communications Wiring Detail", Form 450.11-N5.



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