



CONTROL IT

ProLogix Sorter Control

- Controls all Hytrol Sorters
 - ProSort 100, 200, 400, SC, MRT, SRT, & ViperSort
- Controls All Devices on the Sorter
 - from induction and tracking through actual sorting
- Flexible to Fit any System

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ProLogix

ProLogix has been tested and proven in a wide variety of sortation applications from manufacturing to distribution. ProLogix's main purpose is to sort product to the correct sortation lane as well as to ensure consistent monitoring and optimal performance of the equipment. ProLogix is designed to provide consistent quality performance for all Hytrol sortation solutions.



FEATURES

- Easy Setup and Calibration of Sorter
- Confirms proper Gaps between Products
- Interfaces with Scanner or Host Computer
- Dependable Tracking and Delivery of Product
- Divert Confirmation and Host Notification
- Full Lane and Lane Jam Detection
- Interactive Screens to support Maintenance Personnel
- Built in Diagnostics to Minimize Downtime
- Remote Assistance via Modem

APPLICATION

ProLogix controls Hytrol's ProSort 100, ProSort 200, ProSort 400, ProSort SC, ViperSort and other models of sortation equipment. It provides stand-alone complete control for an individual sorter making for flexible integration into any system.

ProLogix accepts information from others (PLCs barcode scanners or computers), tracks product until diverted, and then will, if needed, send confirmation of the divert back to the system. It controls the infeed area, all devices on the sorter, divert verification, and lane full detection on single or double-sided sorters.



ProLogix

LANES 1 - 14 INPUTS

Confirmation/Jam PE on lane 1	Confirmation/Jam PE on lane 8
Full lane photo eye on lane 1	Full lane photo eye on lane 8
Confirmation/Jam PE on lane 2	Confirmation/Jam PE on lane 9
Full lane photo eye on lane 2	Full lane photo eye on lane 9
Confirmation/Jam PE on lane 3	4th safety prox (After divert # 9)
Full lane photo eye on lane 3	Confirmation/Jam PE on lane 10
2nd safety prox (After divert # 3)	Full lane photo eye on lane 10
Confirmation/Jam PE on lane 4	Confirmation/Jam PE on lane 11
Full lane photo eye on lane 4	Full lane photo eye on lane 11
Confirmation/Jam PE on lane 5	Confirmation/Jam PE on lane 12
Full lane photo eye on lane 5	Full lane photo eye on lane 12
Confirmation/Jam PE on lane 6	5th safety prox (After divert # 12)
Full lane photo eye on lane 6	Confirmation/Jam PE on lane 13
3rd safety prox (After divert # 6)	Full lane photo eye on lane 13
Confirmation/Jam PE on lane 7	Confirmation/Jam PE on lane 14
Full lane photo eye on lane 7	Full lane photo eye on lane 14

PREVIOUS MENU | I/O MENU | NEXT SCREEN

CALIBRATION OF LANES 1 - 10

Lane #	Induct PE to Smart Prox	Induct PE to Confirm PE	Which side is lane?
Lane 1	127 inches	163 inches	LEFT
Lane 2	127 inches	163 inches	RIGHT
Lane 3	282 inches	238 inches	LEFT
Lane 4	282 inches	238 inches	RIGHT
Lane 5	277 inches	313 inches	LEFT
Lane 6	277 inches	313 inches	RIGHT
Lane 7	352 inches	388 inches	LEFT
Lane 8	352 inches	388 inches	RIGHT
Lane 9	427 inches	463 inches	LEFT
Lane 10	427 inches	463 inches	RIGHT

LANES MENU | NEXT SCREEN

TOUCH SCREENS

ProLogix provides a User-friendly touch screen for easy and quick sorter setup. The Hytrol sortation solution can be up and running in a small amount of time by answering a few simple questions and entering a few measurements. System operational screens will show how well the system is performing on a daily basis. All inputs and outputs may be monitored for correct operation. Maintenance screens help test operation of output devices.

SORTER CALIBRATION 1

SELECT MODEL OF SORTER: PROSORT 200 Model

IS SORTER SINGLE OR DOUBLE SIDED? DOUBLE Sided

WHAT IS THE ANGLE OF THE DIVERTS? 22 Degrees

HOW MANY LANES ARE THERE? 25 Lanes

HOW MANY INTERNAL SAFETY PROXES ARE THERE? 18 Proxes

CONVEYOR TRAVEL DISTANCE PER ENCODER PULSE: 1.956 Inches

IS PHOTO EYE IN CATENARY INSTALLED? YES

TIME TO ALLOW BEFORE A FULL LANE CONDITION: 3 Seconds

WHAT IS THE CURRENT TIME? (Military time) 9 Hour 15 Minute

TIME TO RESET ALL COUNTERS? (Military time) 8 Hour 0 Minute

SORTER SETUP | SORTER CALIBRATION 2

STATISTICS FOR LANES 1 - 10

Lane #	# DIVERTED	# CONFIRMED	# OF JAMS	# FULL LANES
Lane 1	123	123	0	0
Lane 2	99	99	0	0
Lane 3	87	87	0	0
Lane 4	158	158	0	1
Lane 5	8	8	0	0
Lane 6	124	124	0	0
Lane 7	132	132	0	0
Lane 8	197	197	0	1
Lane 9	348	348	0	2
Lane 10	381	381	0	3

LANE STATS | MAIN MENU | NEXT SCREEN



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