HYTROL ProLogix Sorter Control

ProLogix
Sortation Control Package

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.

LANES 1 - 14 INPUTS

I03.00 - I03.15   I05.00 - I05.15

Confirmation/Jam PE on lane 1
Full lane photo eye on lane 1
Confirmation/Jam PE on lane 2
Full lane photo eye on lane 2
Confirmation/Jam PE on lane 3
Full lane photo eye on lane 3
2nd safety prox (After divert # 3)
Confirmation/Jam PE on lane 4
Full lane photo eye on lane 4
Confirmation/Jam PE on lane 5
Full lane photo eye on lane 5
Confirmation/Jam PE on lane 6
Full lane photo eye on lane 6
3rd safety prox (After divert # 6)
Confirmation/Jam PE on lane 7
Full lane photo eye on lane 7

Confirmation/Jam PE on lane 8
Full lane photo eye on lane 8
Confirmation/Jam PE on lane 9
Full lane photo eye on lane 9
4th safety prox (After divert # 9)
Confirmation/Jam PE on lane 10
Full lane photo eye on lane 10
Confirmation/Jam PE on lane 11
Full lane photo eye on lane 11
Confirmation/Jam PE on lane 12
Full lane photo eye on lane 12
5th safety prox (After divert # 12)
Confirmation/Jam PE on lane 13
Full lane photo eye on lane 13
Confirmation/Jam PE on lane 14
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 on? (Looking down stream)
Lane 1	127 Inches	163 Inches	LEFT
Lane 2	127 Inches	163 Inches	RIGHT
Lane 3	202 Inches	238 Inches	LEFT
Lane 4	202 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 maybe monitored for correct operation. Maintenance screens help to test operation of output devices.

SORTER CALIBRATION 1

PRESS TO SAVE CHANGES   CONVEYOR MUST BE STOPPED TO SAVE CHANGES!

CURRENT SETTINGS

	Entry		Current
Select model of sorter:	PROSORT 200	Model	PROSORT 200
Is sorter single or double sided?	DOUBLE	Sided	DOUBLE
What is the angle of the diverts?	22	Degrees	22
How many lanes are there?	25	Lanes	25
How many internal safety proxes are there?	10	Proxes	10
Conveyor travel distance per encoder pulse:	1.956	Inches	1.956
Is photo eye in catenary installed?	YES		YES
Time to allow before a full lane condition:	3	Seconds	3
What is the current time? (Military time)	9 Hour 15 Minute		
Time to reset all counters? (Military time)	0 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	150	150	0	1
Lane 5	0	0	0	0
Lane 6	124	124	0	0
Lane 7	132	132	0	0
Lane 8	197	197	0	1
Lane 9	340	340	0	2
Lane 10	381	381	0	3

LANE STATS   MAIN MENU   NEXT SCREEN

HYTROL® LEADS THE WAY