



CARTER CONTROL SYSTEMS

# TURNTABLE DIVERTER

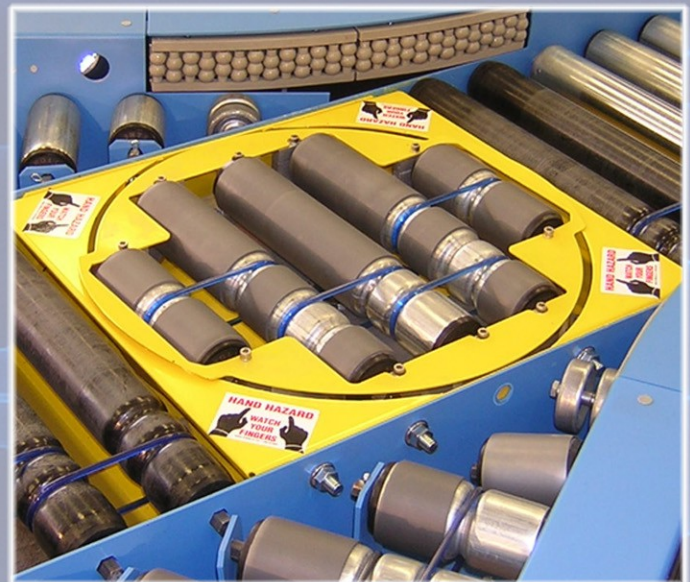
## BENEFITS

- EASY TO MAINTAIN
- IMPROVES OPERATING EFFICIENCY
- LONG LIFE CYCLE
- LOW POWER 24VDC CONSUMPTION
- RELIABLE DESIGN
- SAFE AND QUIET OPERATION
- LOW NOISE- ABEC BEARINGS

THE CARTER CONTROL SYSTEM, INC. TURNTABLE DIVERTER IS A POWERED ROLLER MATERIAL HANDLING DEVICE THAT IS USED FOR DIVERTING PACKAGES TO EITHER THE LEFT OR RIGHT OF THE NORMAL FLOW. DIVERTING IS BASED ON PRE-DEFINED REQUIREMENTS FROM THE SYSTEM INTO WHICH THE PRODUCT HAS BEEN INTEGRATED. THE TURNTABLE DIVERTER IS DESIGNED FOR USE IN AN INDUSTRIAL ENVIRONMENT AND THE USPS. THE TURNTABLE DIVERTER IS RELIABLE AND EASY TO MAINTAIN. IT CAN BE USED IN A STANDALONE APPLICATION WITH HARDWIRED CONTROLS (THRU RELAYS) OR IN A NETWORK APPLICATION WITH CONTROLS OVER THE NETWORK INTERFACE.

PRODUCT IS NORMALLY METERED UPSTREAM INTO THE TURNTABLE DIVERTER, AND MOVED DOWNSTREAM ACCORDING TO THE PROCESSING CONTROLS AS REQUIRED BY THE REST OF THE OVERALL SYSTEM. CONVERSION OF THE UNIT FROM A LEFT-HAND TO A RIGHT-HAND DIVERT IS A FAIRLY SIMPLE CHANGE INVOLVING A MECHANICAL RECONFIGURATION AND A JUMPER WIRE WITHIN THE CONTROL PANEL.

A MAINTENANCE CONTROL PANEL IS INCLUDED PROVIDING TERMINATION POINTS WITH THE REST OF THE SYSTEM CONTROLS. IT UTILIZES A DEVICE<sup>NET</sup>™ COMPATIBLE I/O CONTROL MODULE FOR ITS LOCAL CONTROL, WHICH MAY BE TIED INTO A DEVICE<sup>NET</sup>™ NETWORK OR USED IN A NON-DEVICE<sup>NET</sup>™ APPLICATION. THE UNIT COMES CONFIGURED



FOR STANDALONE OPERATION, USING THE 24VDC CONTROL POWER FOR THE DEVICE<sup>NET</sup>™ I/O CONTROL MODULE. AS SUCH, ADDITIONAL TERMINATIONS THROUGH CONTROL RELAYS (FOR PNP OR NPN OPERATION) ARE PROVIDED FOR HARDWIRED DIVERT POSITION AND RUN SIGNALS BASED ON PRODUCT DETECTION AND DIVERT REQUIREMENTS. POSITION FEEDBACK SIGNALS ARE ALSO PROVIDED, THROUGH CONTROL RELAYS, ALONG WITH AN ERROR SIGNAL FOR USE AS A POSSIBLE JAM INDICATOR.

**IT'S ALL ABOUT SAFETY, DURABILITY, RELIABILITY, AND SAVING ENERGY,  
SO MAKE YOUR MOVE TO CARTERROLL™ CONVEYORS NOW.**



# TURNTABLE DIVERTER

## FEATURES

- "HUBLESS" DESIGN ALLOWS FOR 180 DEGREES OF ROTATION
- REDUCED SIZE, COMPACT DESIGN, AND FLEXIBILITY OF INTEGRATION
- CAPABLE OF AMBIENT OR FREEZER APPLICATIONS
- FEWER MOVING PARTS
- EASE OF MAINTENANCE AND PERIODIC ADJUSTMENTS
- FLUSH MOUNT GUARDING ALLOWS A "NON- PINCHPOINT"
- ENHANCED SAFETY

## TECHNICAL DATA

<p><b>DIVERT RATE:</b></p> <ul style="list-style-type: none"> <li>- 50 PACKAGES PER MINUTE BASED ON A 24" LONG PACKAGE</li> </ul>	<p><b>CONFIGURATION:</b></p> <ul style="list-style-type: none"> <li>- STANDARDS AVAILABLE</li> <li>- LEFT-HAND, RIGHT-HAND, 3-WAY</li> <li>- CUSTOM- CALL FOR CONFIGURATION</li> </ul>	<p><b>ROLLERS:</b></p> <ul style="list-style-type: none"> <li>- 24VDC BRUSHLESS/GEARLESS MOTOR ENCASED IN A STEEL CYLINDRICAL TUBE</li> <li>- RUBBER SLEEVING APPLIED TO PREVENT PRODUCT FROM SLIPPING</li> <li>- UTILIZES A HIGH-TORQUE VARIABLE-SPEED LOW-NOISE MOTOR</li> </ul>
<p><b>CAPACITY:</b></p> <ul style="list-style-type: none"> <li>- HANDLES PRODUCT UP TO 70 POUNDS</li> </ul>	<p><b>CONTROLS AND POWER:</b></p> <ul style="list-style-type: none"> <li>- CONTROL PANEL IS INCLUDED PROVIDING TERMINATION POINTS WITH THE REST OF THE SYSTEM CONTROLS</li> </ul>	<p><b>SPEED AVAILABLE:</b></p> <ul style="list-style-type: none"> <li>- 100 TO 240 FEET PER MINUTE</li> </ul>
<p><b>DIVERT ANGLES:</b></p> <ul style="list-style-type: none"> <li>- ROTATES IN DEGREES FROM 30° TO 180°</li> </ul>	<p><b>UTILITY REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>- 24VDC CONTROL POWER FOR THE DEVICENET™ I/O CONTROL MODULE</li> </ul>	<p><b>ADDITIONAL INFORMATION:</b></p> <ul style="list-style-type: none"> <li>- JAM SIGNAL</li> <li>- GUARDING APPLIED TO THE TURNTABLE AREA TO PROTECT PERSONNEL FROM INJURY</li> </ul>

