

MDR TREWflow DECLINE

INTERMEDIATE MODULE

Controls Platform: H-20 Full Control

POWERED BY

TREW®

MDR TREWflow is designed to relieve the built-up product “back-pressure” on decline conveyor, helping to prevent side by sides and allow easy removal of packages at the discharge end of the conveyor. TREWflow is an all-electronic design with specialized logic to automatically manage flow, maximize the amount of product on the conveyor and establishing a zero-pressure discharge zone. After the discharge product is removed, accumulated products move forward presenting the next product to the operator.

Powered subzones run up to 120 FPM

Designed for 3° - 15° declines

Up to 60lbs per zone

24VDC all-electric design

IP54 environmental rating



KEY FEATURES AND BENEFITS

- Light to medium weight applications
- Resilient and durable construction - perfect for distribution, warehouse, process lines and postal applications
- Electrical components have quick connect terminals for easy installations and expansion
- Toolless mounting brackets for all electrical components
- Pre-mounted zone controls connected with networked bus technology for quick installation and commissioning
- Temperature: 32° - 104°F
- Minimum product size (l_xw_xh):
 - » 6"x6"x1" on 2" RC (roller center)
 - » 9"x9"x1" on 3" RC (roller center)
- Product Weight: 3 - 60lbs per zone (nominal), other weights (>60lbs) upon request
- Between Frame: 15", 18", 21", 24", 27", 30", 33", 36"
- Rollers Set: 1.9" Rollers Set Low
- Roller Centers: 3" standard (2" or 6" consult engineering)

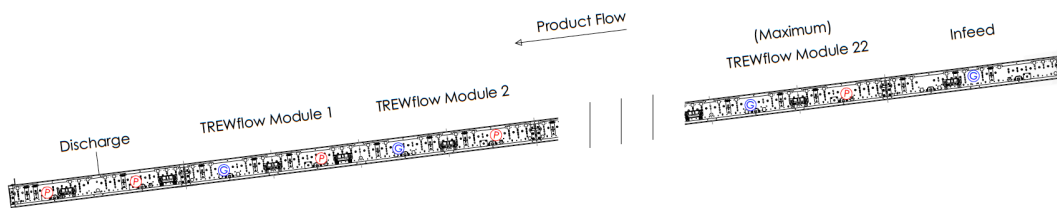
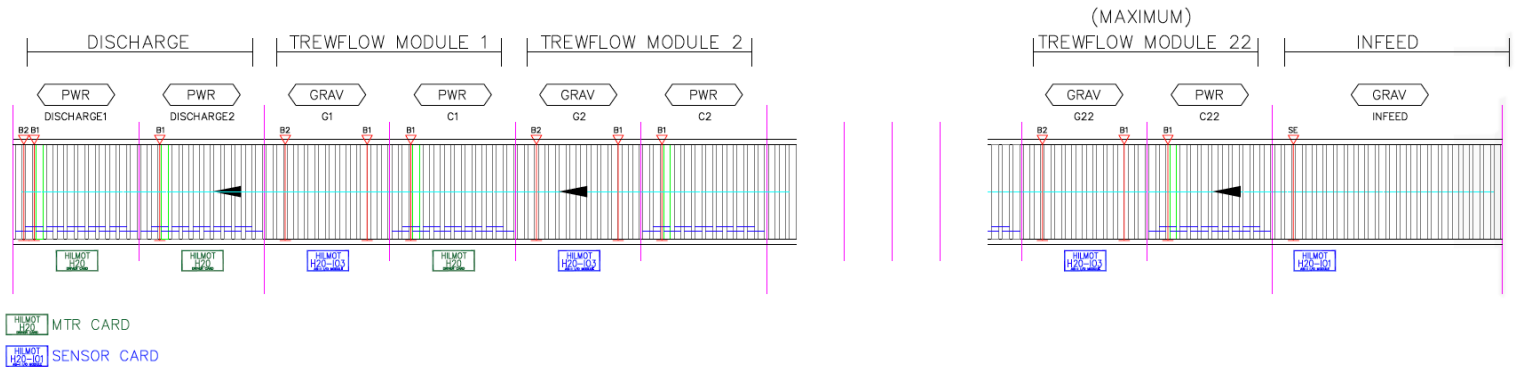
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Electrical & Controls Specification

Controls

- Built-In Logic – Provided pre-configured within the Gateway enclosure
- Trew Add-On instruction for use in your compatible Allen Bradley PLC

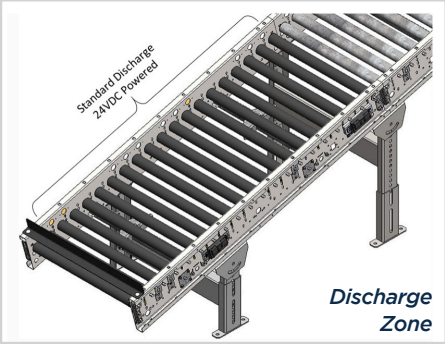


Defined by a group of three types of modules:

- Infeed = varies by applications
- Intermediates = TREWflow modules connected
- Discharge = preconfigured discharge module

TREWflow Module Configuration

- 5' Conveyor bed
 - » (1) TREWflow module
 - » (1) Motor controller card
 - » (1) Sensor card
- 10' Conveyor bed
 - » (2) TREWflow modules
 - » (1) Motor controller card
 - » (2) Sensor cards



SPECIFICATIONS

- Series 1500 24VDC 80A Power Supply
 - » Capable of 21 TREWFlow modules
 - » Requires 480VAC power drop to enclosure
- Rockwell PLC (controls option 1)
- (1) EthernetIP fieldbus module
- (1) single channel EthernetIP/ASi Gateway
- (1) 30.5VDC ASi power supply
- Infeed Module
 - » Customizable length per application
 - » (1) Sensor card
- (1) discrete wired relay output card (controls option 1)
 - » OK to Receive output
 - » Line Full output
 - » Motor Faulted output
 - » Customer supplied voltage reference
- Discharge Module
 - » (2) discharge zones
 - » Non-singulating
 - » (2) Motor controller cards