



MIRION
TECHNOLOGIES

Radiation. **Safety.**

RWP Turnstile

Smart Safety Checkpoint



Nuclear
Power



Homeland
Security
& Defense



Industrial and
Manufacturing



Healthcare



Labs and
Education

OVERVIEW

The RWP “Smart” Turnstile provides a safety checkpoint for workers upon entry into an RCA (initial entry or entry into a sub-zone). As a worker presents their dosimeter to the reader, it compares the permit that the worker has logged into against active permits for the zone that the worker is attempting to enter. The turnstile either unlocks, allowing the worker to enter with a green “go” light, or it keeps locked, blocking the worker from entering with an amber “no go” light. It features an industrial-strength PC with a 10.25 inch touch-screen monitor. The PC is used to store approved RWP’s and Tasks, as well as to access control information stored in the worker’s dosimeter.

KEY FEATURES

- Compatible with DMC-2000 and DMC 3000 dosimeters
- Includes integrated dosimeter reader
- Ruggedized PC with touch-screen monitor includes 64-bit (Windows 7) OS and TPM Security Chip
- Compares worker’s RWP and Task data to “approved” list
- Small footprint and integrated wheels allow easier deployment
- Optional LAN connection allows automated Access
- Control data retrieval

OPERATION DESCRIPTION

- Worker places dosimeter into or near reader
- Reader checks dosimeter (approx 2 second read time)
- Dosimeter “run” status is verified
- “GO” light illuminates
- Worker removes dosimeter from reader
- Total elapsed time for cycle approximately 5 seconds

MAJOR COMPONENTS

- Turnstile apparatus including main controller assembly, rotating triple arm, platform w/ handrail
- LED indicator lights (Amber and Green)
- Fail-Safe (Power-off, free wheel on both directions) or Optional Fail-Lock (Power-Off, lock on ingress and free wheel on egress) controls
- Modified LDM-220/320 Readers
- Panasonic H2, Industrial Ready PC, touch-screen, with Locking Cradle
- Network Adapter
- Bar-Code reader (Optional)
- Magnetic card reader (Optional)
- Extended range antenna which allows walk-through without approaching the reader (optional)
- Memory stick with software and manual

MECHANICAL & ELECTRICAL CHARACTERISTICS

- Width: 27 inches (68.5 cm)
- Length: 36 inches (91.4 cm)
- Height: 67 inches (170.2 cm)
- Passage Space: 18 inches (45.7 cm)
- Turnstile Arm: 1.25 inch diameter (3.17 cm)
- Weight: 130 lbs (58.95kg)
- Types: Right hand or left Hand
- Fail Safe and fail lock mechanical controls
- Electrical: 110 VAC/50Hz, 240 VAC/ 60Hz switching
- Outputs: +5V; +24V; +15V; -15V (not used for this application)
- 4 outlet surge protector
- DC Fan for power supply

ADDITIONAL PICTURES



Touch-screen monitor includes 64-bit (Windows 7) OS and TPM Security Chip



INSIDE: 4 outlet surge protector, DC fan for power supply

> GERMANY - HAMBURG

T: +49 40 85193 0 | E: hamburg-info@mirion.com

> USA - SMYRNA, GEORGIA

T: +1 770 432 2744 | E: mirion@mirion.com

> FRANCE - LAMANON

T: 1234567890 | E: mirion@mirion.com

> FINLAND - TURKU

T: +358 2 4684 600 | E: mirion@mirion.com

> CHINA - SHANGHAI

T: +86 21 6180 6920 | E: mirion@mirion.com

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