Datasheet

V84i
OEM Controller

The Matthews V84i controller is an innovative inkjet controller that is purposefully designed for OEM and system integrator applications. Coding solutions built with the V84i controller offer significantly more scalability, versatility and efficiency.

This controller allows machine builders and integrators to easily incorporate inkjet marking into their system design, while avoiding costly printers designed for end users.The V84i has the ability to control up to four Drop-on-Demand large character printheads independently. This individual control of the attributes of each connected printhead presents an innovative realm of flexibility for coding applications.

With its broad range of connectivity and seamless integration, the V84i offers the opportunity for OEM's and system integrators to extend the usefulness of their applications, while making it easier to develop, integrate and maintain new, value-added services.

Features:
- Small, modular design for flexible installations
- Simple protocol for integration requirements
- Broad range of connectivity
- Supports 1 to 4 Standard Series or 8000+ Series printheads
- V84e functionality in a low cost network controller

Matthews Marking Systems™

Americas | Pittsburgh, PA | O: 800-775-7775 | www.matthewsmarking.com
Asia | Beijing, China | O: +86.10.8879.6525 | www.matthewsmarking.cn
Europe/Australasia | Mölndal, Sweden | O: +46.31.338.7900 | www.matthewsmarking.se
Germany | Aschau, Germany | O: +49.80.5295110 | www.matthewsmarking.de

Datasheet

V84i

V84i CONTROLLER

GENERAL PERFORMANCE:
- 32 valve controller
- IP54 environmental protection rating
- IP65 rating optional
- Bench or wall mounted
- Painted steel enclosure with stainless steel cover

OPERATOR INTERFACE:
- Industrial, 10.4" color, touch screen interface
- User configurable password protection
- Icon-based menus
- Backlit display
- Color-coded classifications to distinguish message fields
- WYSIWYG message display
- Solvent resistant, 2-ply overlay

COMMUNICATIONS AND NETWORKING:
- RS232 (Ethernet and RS485 options available)
- One shaft encoder input
- Up to four sensor inputs
- Message storage: 4000 minimum

PRINT PERFORMANCE:
- Controller operates both Standard and 8000+ printheads
- Lines of print: up to 4-5 lines at 32 valves
- Minimum character size: 3/32" (2.38 mm)
- Maximum character size: 5" (127 mm)
- Maximum speed: 680 fpm (3.45 mps)*
- Orientation mounting: all directions

* Printhead dependant

INK OPTIONS

- Fast dry, pigmented, dye and water-based inks for porous and non-porous surfaces.
- Black, blue, green, red, yellow, white, brown, purple, orange, and many more.
- 1/4 USG (1 liter), 1 USG (4 liters), 5 USG (19 liters), 55 USG (208 liters)

PRINT FEATURES

- Static & dynamic message fields
- Upper and lower case characters
- Many fonts including 5 x 5, 7 x 5, 9 x 7, 14 x 10, 16 x 10, 21 x 15, 32 x 20 height
- Width & delay functions
- Automatic roll-over clock & calendar functions
- Graphics/logos
- Bar codes (Code 39, I 2 of 5 UPC-A, EAN-8, EAN-13, Code 128 B and C20)
- Shift codes
- Sequential & batch numbering
- Logos with stitched printheads
- Remote data field interface
- Text imports

PHYSICAL & ENVIRONMENTAL CHARACTERISTICS

DIMENSIONS:
- 14"L x 14"W x 6.18"H (355 mm x 355 mm x 157 mm)

ELECTRICAL:
- 115/240 VAC, 50/60 Hz

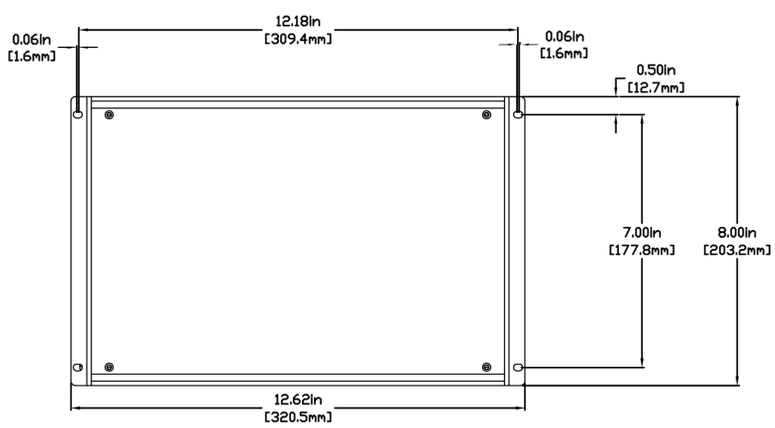
OPERATING TEMPERATURE:
- 41-113°F (5-45°C)

HUMIDITY:
- 10-95% non-condensing

WEIGHT:
- 23 lb (10.43 kg)

LANGUAGES

- English, Spanish, Italian, German, French, Dutch, Swedish, Russian, and Turkish



MARKTEC™
Automated Marking, Labeling & Packaging Systems
8785 Ag Park Drive North
Batavia, NY 14020
Tel: 1-800-627-5832 | Fax: 585-344-4109
www.marktecprods.com

Matthews Marking Systems™

Americas | Pittsburgh, PA | O: 800-775-7775 | www.matthewsmarking.com
Asia | Beijing, China | O: +86. 10.8879.6525 | www.matthewsmarking.cn
Europe/Australasia | Mölndal, Sweden | O: +46.3 1.338.7900 | www.matthewsmarking.se
Germany | Aschau, Germany | O: +49.80.5295 110 | www.matthewsmarking.de