

INSTALLATION INSTRUCTION

ABiCUS Modern Forms Fan Gateway

A1G20-DMX

MODERN FORMS[®]
SMART FANS

SAFETY INSTRUCTION

IMPORTANT: NEVER attempt any work without shutting off the electricity.

- Read all instructions before installing.
- System is intended for installation by a qualified technician in accordance with the National Electrical Code and local regulations.

CAUTION:

All parts must be used as indicated in these instructions. Do not substitute any parts, leave parts out, or use any parts that are worn out or broken.

AVERTISSEMENT

IMPORTANT : Coupez l'électricité avant TOUTE manipulation.

- Lisez toutes les instructions avant d'installer.
- Système est destiné à être installé par un technicien qualifié en conformité avec le code national de l'électricité et les règlements locaux.

MISE EN GARDE:

Toutes les pièces doivent être utilisées tel qu'il est indiqué dans ces instructions. Ne remplacez pas les pièces, n'en laissez pas de côté et ne les utilisez pas si elles sont usées ou brisées.

THIS INSTRUCTION APPLIES TO THE MODEL(S) BELOW



A1G20-DMX

ACCESSORIES (INCLUDED IN BOX)

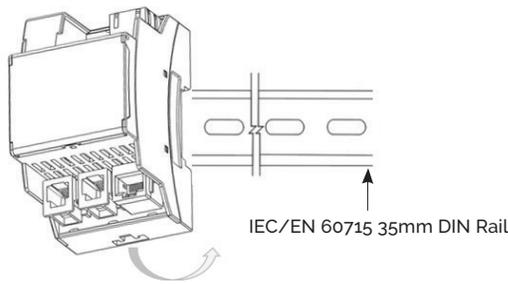


RJ45 120 Ohm Terminator



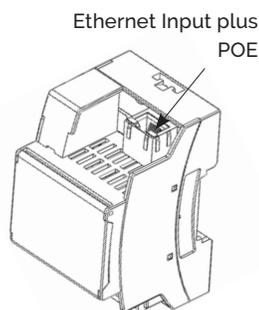
120 Ohm Resistor

FIG. 1



IEC/EN 60715 35mm DIN Rail

FIG. 2



Step 1: Mechanical Installation and Wiring

"Top-Hat" DIN module & IEC/EN 60715 35mm Rail (See **FIG. 1**)

ADD: "Place & Click" - Recess Top back of module within DIN channel, rotating downward and toward lower DIN to secure,

REMOVE: Pull down bottom orange tag gently with a flathead screw driver, rotate outward and upward from the bottom of the module.

Power & Ethernet Connections (See **FIG. 2**) top of Unit

Connect the ABiCUS to the DC Power Source via the two PIN Phoenix connector, A1G20 also has POE (Type 1/Class 0) capability. Connect the ABiCUS LAN (silver port marked 10/100 Ethernet) to a network switch using a standard Cat5e (or higher) patch cord. NB: Distance between ABiCUS and switch should not exceed 300' or 100m.

ModernForms.com
Phone (866) 810-6615
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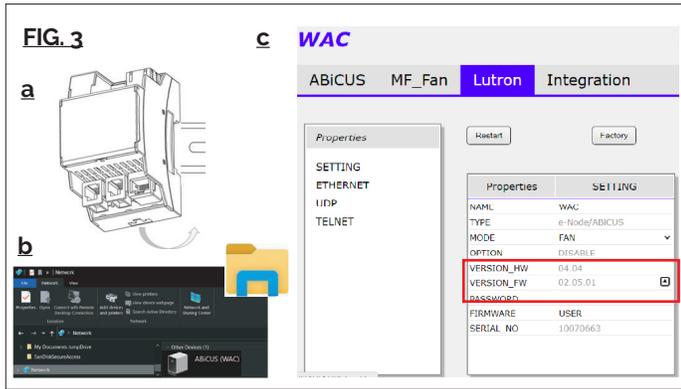
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STEP 2. ADDING ABiCUS TO THE IT NETWORK

Note: confirm ABiCUS is connected to the ethernet network
 Discovering ABiCUS using a MS Windows PC (See **FIG. 3 b**)
 Open Windows File Explorer
 Click "Network" at the bottom
 Connected ABiCUS will appear with the symbol



Alternatively refer to the project router or network client list to determine an ABiCUS IP.

Address will be assigned by the networks router via the DHCP table. This is the recommended network configuration.

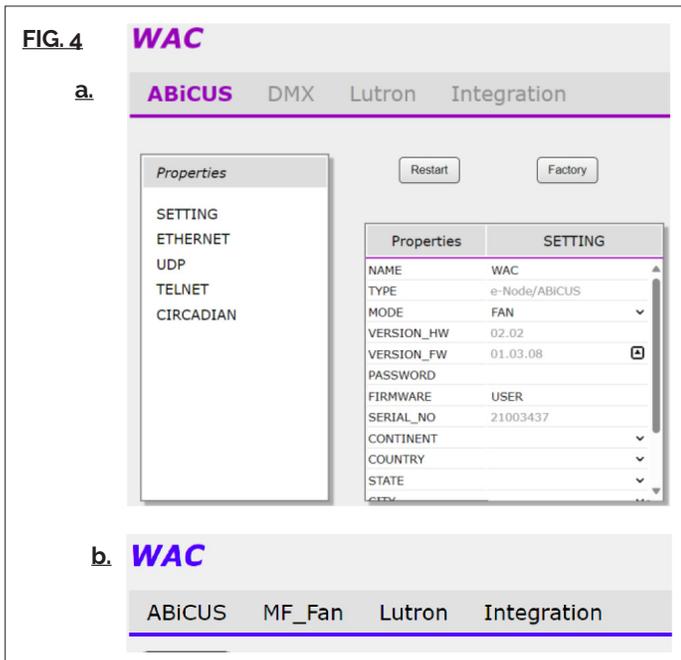
For additional guidance including using MacOS devices contact the factory.

Double click the icon and open ABiCUS Webpage (See **FIG. 3**).

Hover over the three line menu header and click Settings.

Within the Ethernet TAB It is possible to define a STATIC IP.

For support including designated port allocation contact the project network administrator.



STEP 3. UPDATING FIRMWARE

The Home Screen allows for Firmware Updates.

Good Practice: ABiCUS has file sharing capabilities, always Export (1) and save the latest configuration prior to firmware updates. Click ABiCUS TAB **FIG.3 (c)** FIRMWARE should always be set to "USER" (2). Click on the UP arrow to the right of VERSION_FW for the latest version. Click "Check Web" then "Web Update" If there is a later version it will be downloaded, "written to flash" and will reboot to the Home Screen automatically. If web update takes longer than two minutes, then check Internet connectivity. There is a factory RESET available that returns ABiCUS to default settings. Click the "Factory" (3) button to initiate. Be aware, all configured data will be lost during factory reset.

Note & Critical step: Follow the MyWAC or ModernForms APP configurator to establish network connectivity and provide meaningful fan names.

STEP 4 Switch MODE to FAN from WAC using down arrow Directorys will list MF_Fan, see **FIG. 4 (a)**.

STEP 5. ADDING FANS

Simply click the search "eye glass" icon (see **FIG. 5**). All Fans on the same IT network will automatically be discovered.

ZONE & GROUP Address (1.1) will automatically populate.

The Z & G address is a tag used to identify the Fan within the Integration Platform.

For Fans the NODE address details Light function (1.1.1) and Fan Direction Forward / Summer (1.1.2) or Reverse / Winter (1.1.3).

