

INTRODUCING THE AH-RIS SERIES
REPLACEMENT OPTIONS WHEN
FACED WITH OBSOLETE ROCHESTER
INSTRUMENTATION ON PLANT



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AMELEC

SIGNAL CONDITIONING



AMELEC manufacture & supply a vast array of analogue Signal Conditioning/Process Monitoring & Control Instrumentation with up to 10 Year Warranty.

35+ years' experience in the nuclear sector supplying to Sellafield, AWE, Urenco, Magnox, CCFE, Westinghouse/Springfields Fuels, British Energy/EDF & the UK Nuclear fleet of Power Stations, for New Build through to Decommissioning Projects.

We still fully support our own instrumentation originally supplied over 30 years ago, and have also produced like-for-like pin compatible replacement products for systems not originally of our supply or manufacture!

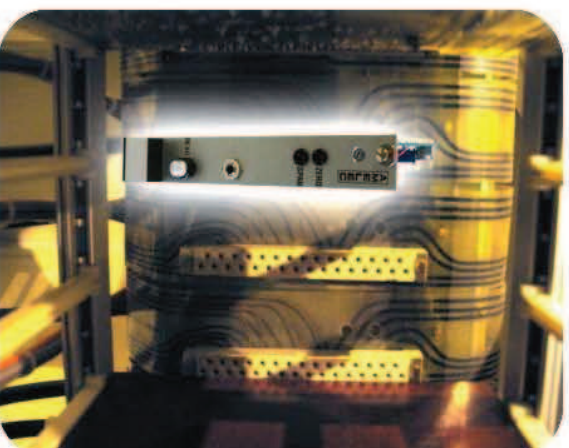


AMELEC also supports numerous clients throughout the petrochemical, oil and gas, food & brew, steels, railways, general utilities and power generation sectors.

This Obsolescence & Refurbishment Support service is especially favourable when you may be faced with potentially costly mechanical and wiring modifications on plant, as well as maintenance staff re-training, etc.

One of the recent example of AMELEC obsolescence and system life Extension support is;

The development of our Plug-in cards directly compatible with obsolete Rochester Instruments, suitable for use in the existing RIS rack systems across various plant facilities.





Individual instrument replacement cards available for:

- **ET8204(W)/8204A** Thermocouple Single Trip Amplifier
- **ET8205(W)/8205A** Thermocouple Dual Trip Amplifier
- **ET8214/8214A** Alarm Single Trip Amplifier
- **ET8215/8215A** Alarm Dual Trip Amplifier
- **ET8274/8274A** RTD Alarm Single Trip Amplifier
- **ET8275/8275A** RTD Alarm Dual Trip Amplifier
- **SC8300R** Slidewire Transmitter
- **SC8302/8302E** Isolated Transmitter
- **SC8326/8326W/8327** Isolated Thermocouple Transmitter
- **SC8330/8330E** Square Root Transmitter
- **SC8350** Frequency Transmitter
- **SC8372/8374** RTD Transmitter
- **SC8391** Strain Gauge Power Supply
- **SC8006** Power Supply Unit

Please see AMELEC ADT & ADM DIN Rail/Surface Mounting modules for RIS ET1200/ET7200 & SC1300/SC7300/SC7400 series replacement options.

AHP991-RIS-8006 High Current Power Supply

- Suitable for use with **Rochester (RIS)** 3U high 19" rack mounted instrumentation
- Direct Replacement for original RIS 8006 PSU
- Supply voltage: 115V or 230Vac (+/-10%)

TECHNICAL SPECIFICATION

FUNCTION

Power Supply module for 3U high 19" RIS Rack System

OUTPUT

24Vdc @ up to 2.5 Amp (+/-1.2V@2.5A)

Load Regulation:

1.0V max change for load change 1.0-2.5A

1.75V max change for load change 0.5-2.5A

2.75V max change for load change 0.2-2.5A

AUX SUPPLY RANGE - SELECTABLE

115 Vac / 230 Vac (selectable by jumper on pcb)

CONSUMPTION

Up to 75VA (@ 2.5A output)

PROTECTION

Supply – Output Isolation: 3750Vac

Supply – Earth Isolation: 1500Vac

Output – Earth Isolation: 500Vdc

ENVIRONMENTAL CONDITIONS

Storage temperature: - 40 to +70 °C

Operating Ambient: -15 to +55 °C

Relative Humidity: 5 to 95% RH (Non-Condensing)

Vibration: 1g at 15Hz to 150Hz

EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

RoHS: 2011/65/EU

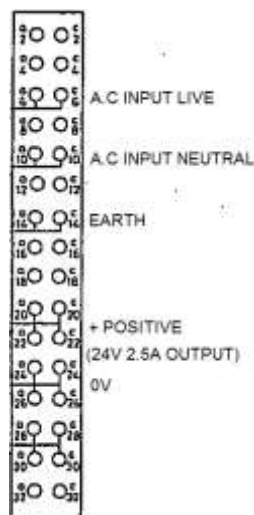
MOUNTING / DIMENSIONS

Card: 3U high 16E wide

Mounting: Plug-in to existing RIS 3U high 19" rack

Card weight < 500g

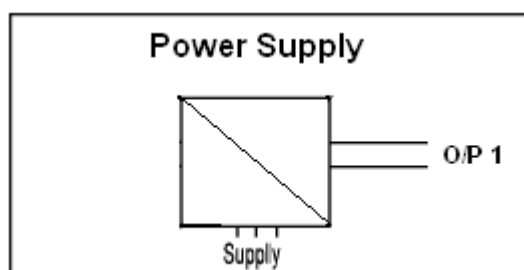
TERMINATION



FRONT VIEW



FUNCTION BLOCK DIAGRAM





Complete replacement rack retro fit:

- **AHT611** Thermocouple Trip Transmitter
- **AHT612** Thermocouple Trip Transmitter
- **AHT621** RTD Trip Amplifier
- **AHT622** RTD Trip Amplifier
- **AHT631** Process Trip Amplifier
- **AHT631V-4** Four Channel Single Trip Amplifier
- **AHT632** Process Trip Amplifier
- **AHT638V** Dual Channel Dual Trip Amplifier
- **AHM710** Thermocouple Temperature Transmitter
- **AHM713** Millivolt Transmitter
- **AHM720** RTD Transmitter
- **AHM730** Process Signal Transmitter
- **AHM730-4** Four Channel Signal Isolator
- **AHM740** Slidewire Transmitter
- **AHM780** Frequency to Process Transmitter
- **AHM990DI** Display Unit

Surface mounting rack also available as replacement for the RIS rack housing ET5200/SC5300

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