

The Smart Automation Module (SAM-1N) is a communication solution between compatible GYS welding powersources and most PLCs/robots. SAM converts the language of communication «GIN» (GYS Internal Network) in machine language for a complete management of automats/robots. Designed to operate without any modification of its code, even when changing welding process and communication network, the SAM-1N module has a plug and play operation for simple installation.

MULTI-NETWORK CONNECTOR

5 communication protocols available:

- EtherNET IP
- ModbusTCP
- ProfiNET
- EtherCAT
- DeviceNET

3 OPERATING MODES

- **JOB mode:** allows the call of pre-recorded programs with possible interactions.
- **ADVANCED:** allows to control the powersource with all parameters (up to 170 parameters)
- **FULL:** is used to control the welding machine.

MODULARITY

The welding machine/SAM-1N assembly can be reassigned to a new system without modifying it (integration into a new machine, replacement of a PLC or robot, automation of a process, etc).

HARDWARE COMPATIBILITY

The module provides access to almost all the parameters of the welding generator, allowing total control of the process by the PLC or the robot.

- **TIG PROCESS**
- **MIG/MAG PROCESS**

INTEGRATION SUPPORT

The integrator can use a mapping file, making installation easier on the following robots*:

- Automaton: Siemens, Schneider, Rockwell, Proface, etc.
- Robots : Yaskawa, Fanuc, Kuka, ABB, Universal Robots, etc.

*Other brand: consult us

ADVANCED INTUITIVITY

- Interchangeable multi-network connectors
- IP23 case.
- Easy fixing

ACCESSORIES (options)

Essential kits to be installed in the generator:



NUM MIG-1 Kit
062993



NUM TIG-1 Kit
037960

Multi-network connectors (ANYBUS®) :

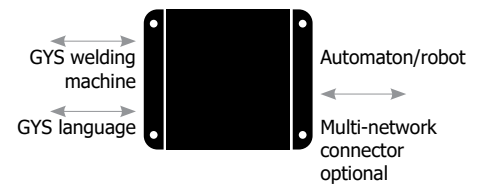


EtherNET IP	062078
ModbusTCP	063013
ProfiNET	062085
EtherCAT	063006
DeviceNET	062092



Supplied with:

- DB9 cable 0.5m (connection to the power)
- USB stick (manual, updated documentation, etc.)
- 4-pin Safety connector
- 10-pin physical I/O connector
- Quick installation instructions



More information