




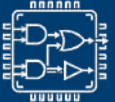










9XXX Series vs Matrix

Advanced Features & Benefits



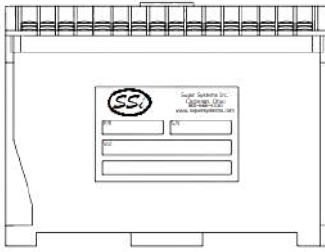
9XXX Series	Matrix
 Fixed I/O design	✔ Modular design with removable terminals for wiring
 Analog/digital expansion requires external hardware	✔ Easy to add input or output modules. No longer need to use external inputs for load T/C's. Just add modules
 Three ethernet communication sockets	✔ Ten ethernet TCP-IPs for communication sockets
 Standard scan rate of 1000ms	✔ Four times faster scan rate providing much tighter PID control
 300 step-based recipes only	✔ 600 step based recipes or segment based recipe is now available
 Limited internal logic capability	✔ Internal logic programmer
 Conventional PID control	✔ Enhanced PID algorithms for control
 Additional hardware required for probe redundancy	✔ 16205 atmosphere unit has a built in redundant probe option. No longer need a separate device
 Matrix combines all the control capabilities of multiple 9xxx controllers into one powerful, all-in-one system	✔ Matrix combines all the control capabilities of multiple 9xxx controllers into one powerful, all-in-one system
 Output card options are sinking (NPN) or sourcing (PNP)	✔ Output card options are sinking (NPN) or sourcing (PNP)
 Direct replacement for 9XXX series	✔ Direct replacement for 9XXX series
 Galvanically isolated analog outputs	✔ Galvanically isolated analog outputs

Why Choose the Matrix?

- Seamless Integration
- Flexible Platform
- Custom Software Screen
- Segment or Step
- Easier Calibrations
- User-friendly Interface

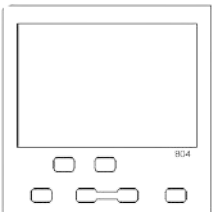


9XXX



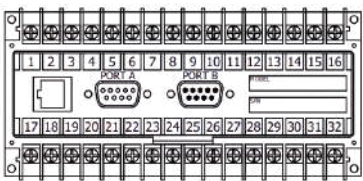
▶ 3 loops of control

804



▶ 4th loop controller

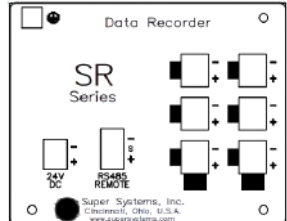
9015



▶ 8 digital outputs

▶ 4 digital inputs

SR (external analog inputs)



▶ 39 analog inputs

804



▶ 5th loop controller

▶ Connect up to 20 units together...

✗ Multiple controllers needed

VS



All in one!



64 digital outputs



32 digital inputs



16 PID loops

Matrix

