



SAMA Legend



SAMA is an acronym of Scientific Apparatus Makers Association, in some plants, there has been greater adoption of SAMA diagrams which provide more detailed process diagrams which constitute various process symbols.

SAMA drawings are sometimes referred to as “control functional diagrams”.

SAMA symbols are rarely used on P&IDs. Rather, they are generally used to diagram control systems at a detailed functional level. They provide no information about the device’s location or function, nor about the technology used to implement it.

Usually, SAMA symbols show the control system without reference to the processing equipment or piping details. Still, for complex control systems, because they can show greater functionality compared with other documentation formats, they are often preferred for presenting control strategy details in some industries.

Because of the complexity of their control strategies, SAMA symbols are extensively used in the power generation industry. SAMA methods tend to be used for boiler functional diagrams due to the higher level of control-element details and the visualization they provide.



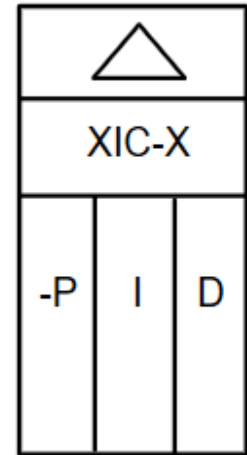
Variable Input



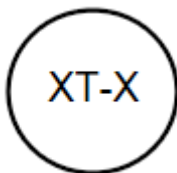
Switch Function



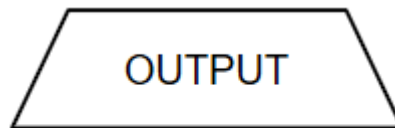
Controller



Transmitters



Final Element



Calculation Block



- The calculation block icon could be used when using high selectors, low selectors, compensation.