PYROCLOCK®

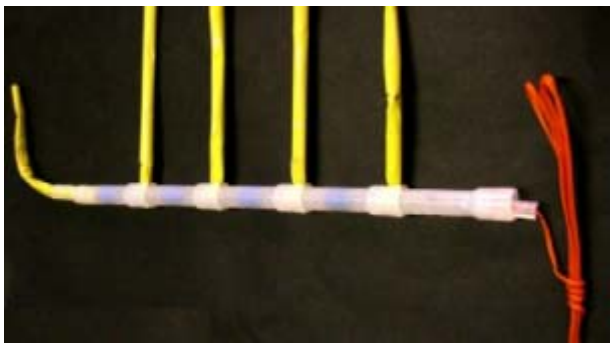
MONETTI TIMED PYROTECHNICAL CHAINS

Italian Patent Pending PCT/IT03/00393 - Internationale Patent Pending PCT/IT03/00313

CERTIFICATED BY THE BAM INSTITUTE

NEW MODEL EASIER, FASTER, 100% RELIABLE

PYROCLOCK® is a system designed for quick assembly of timed pyrotechnic chains.
PYROCLOCK® has 3 components: the "Fuse-holder", the "Quickmatch-stopper" and the "time-delay element".
The timed pyrotechnic chain is assembled by inserting the quickmatch of the shell in the slot of the male end of the fuse-holder and then mating it to the femal end of the next delay fuse-holder. This process is repeated to achieve the desired effect.
The electric igniter or quickmatch link is connected via the "Quickmatch-stopper".
Longer time delays can be achieved by connecting individual PYROCLOCK® fuse holders end-to-end.



DESCRIPTION

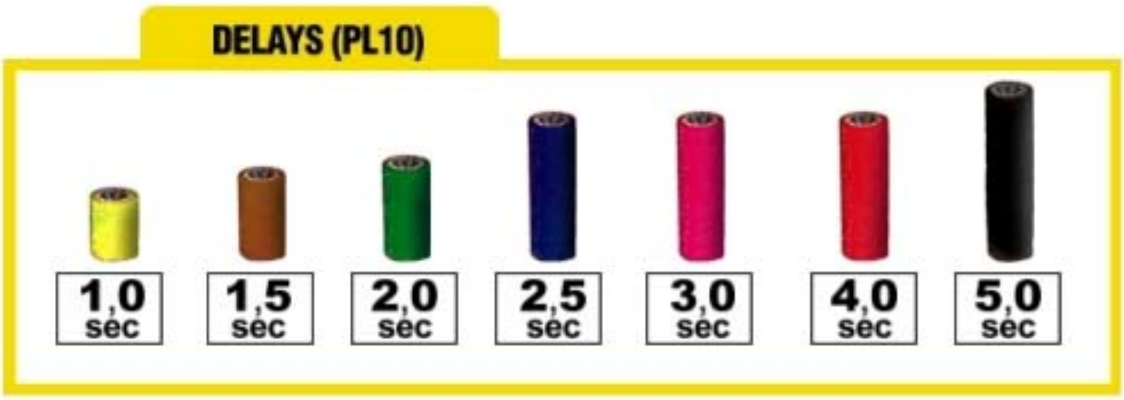
Pyroclock is a pyrotechnical device used to transmit a flame, with a set delay, to another delay and/or to a quick match for the ignition of a firework.

Pyroclocks function as basic modules that can be joined in various combinations to build up more complex transmission systems (pyric chains).

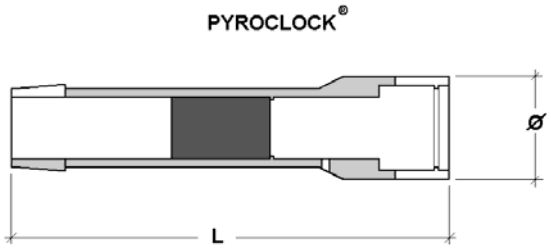
By comparison with traditional fuses, they offer numerous advantages, including:

- excellent functional reliability for protection of the pyric delay;
- excellent delay precision;
- ease of use: the manual labour required to make connections is minimal and can be performed by non-specialists following simple instructions;
- versatility of use: pyric chains can be assembled to suit the most diverse needs by combining different delay types
- water resistent.

Pyroclock is available in eight different types according to the delay provided. These are:



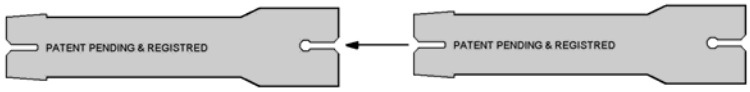
Every delay has its own color

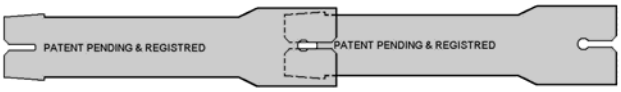


Pyroclock® is delivered with the delay already inserted

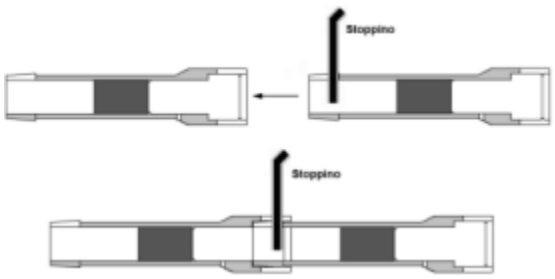
INSTRUCTIONS FOR ASSEMBLY

To join 2 Pyroclocks together, insert the smaller end of one device into the larger end of another until you feel the click that signals a successful connection.





At this point, if the connection has been made correctly, two small teeth, one on the external surface of the smaller diameter and the other on the internal surface of the larger diameter, fit together to ensure a stable connection.
Whenever you want to include a quick match (for the ignition of a firework) in the pyric chain between two Pyroclocks, the quick match should be positioned in the slot in the smaller end of the Pyroclock.
Care should be taken to line up this slot with the one (of the two) on the larger end of the other Pyroclock opposite the hole that acts as a vent for combustion gas. Then procede by joining the two Pyroclocks as described above. When the connection is made correctly, the quick match will be fixed in position.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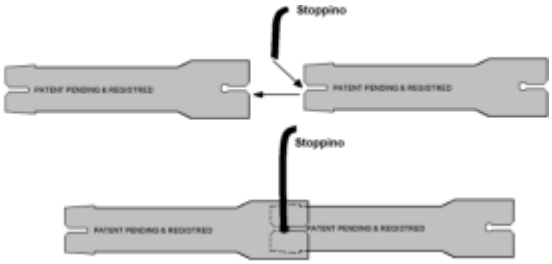
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